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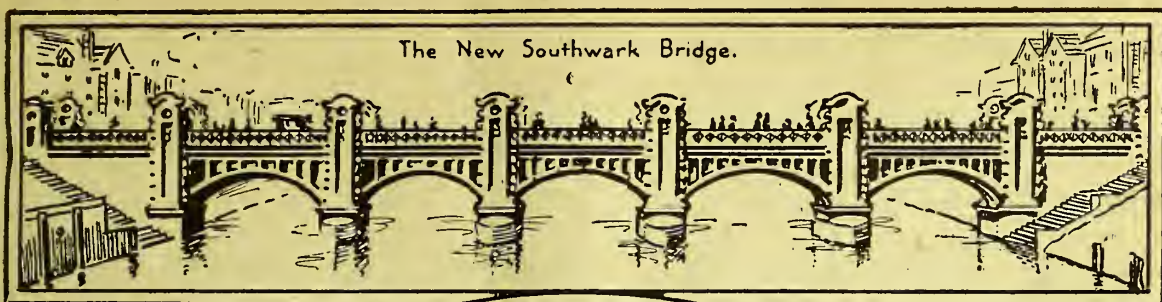
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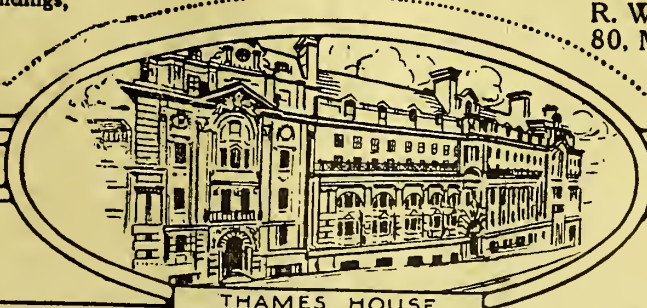
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"GRASSHOPPER" PILLS AND OINTMENT.

(P.A.T.A. price protected.)

"Grasshopper" Pills and Ointment have gained a World-wide Reputation for their merit. They are extensively advertised in all parts of the world. Stocked by all Wholesale Houses and Drug Shippers, or can be obtained direct from the Proprietors. Retailers desirous of exhibiting Showcards can obtain same, Post Free, by applying to:

ALBERT & CO., 73 Farringdon Street, LONDON, E.C. Established Half a Century.

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Baking Powders	Liver Salt
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"Spa" Health Salt	3 1/2 & 6 1/2 Lin. Liq. and
Exhibition Health Salt	Honey Balsam
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GREAT RUSSELL STREET, LONDON.

These well-appointed and commodious TEMPERANCE HOTELS have Passenger Lifts, Bath Rooms on every floor, Lounges and spacious Dining, Drawing, Writing, Reading Billiard and Smoking Rooms.

Perfect Sanitation. Fireproof Floors. Telephones. Night Porters.

BEDROOM, BREAKFAST, ATTENDANCE AND BATH, PER NIGHT PER PERSON 6/6

Full Tariff and Testimonials on application.

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... SALTS OF ...

ACETYL-SALICYLIC ACID

BISHOP'S HYDROPYRIN and **BISHOP'S KALMOPYRIN**

(*Lithium Acetyl-Salicylate*).

(*Calcium Acetyl-Salicylate*).

ANTIPYRETIC. ANALGESIC. ANTI-RHEUMATIC. DIAPHORETIC. ANTI-NEURALGIC.

INDICATIONS—Muscular and Articular Rheumatism, Polyarthritis, Neuritis, Sciatica, Gout, Lumbago, Influenza, and all Feverish Conditions, Colds, Catarrhs, Headaches, Neuralgia.

PROMPT AND DEFINITE IN ACTION.

NO UNPLEASANT BY-EFFECTS.

HYDROPYRIN and KALMOPYRIN occur as white, non-hygroscopic, stable, and practically tasteless powders. Both are readily and freely soluble in water, and are therefore better adapted to dispensing and to manufacturing processes than the insoluble acid.

HYDROPYRIN is also soluble in alcohol, and may be dispensed in tinctures and other alcoholic extracts.

HYDROPYRIN and KALMOPYRIN present numerous other important advantages over the insoluble acetyl-salicylic acid, not the least of which is their absolute freedom from injurious impurities.

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ALFRED BISHOP, Ltd. Manufacturing Chemists,
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PURE DRINKING WATER.



The Pasteur Chamberland Filter.

OFFICIAL GOVERNMENT
STATEMENT:

Wherever the PASTEUR
FILTER has been applied,
TYPHOID FEVER has
disappeared.

WRITE FOR LIST B.

SOLE MAKERS:

The British Pasteur Chamberland Filter Co.
5 WHITE STREET, FINSBURY,
LONDON, E.C.

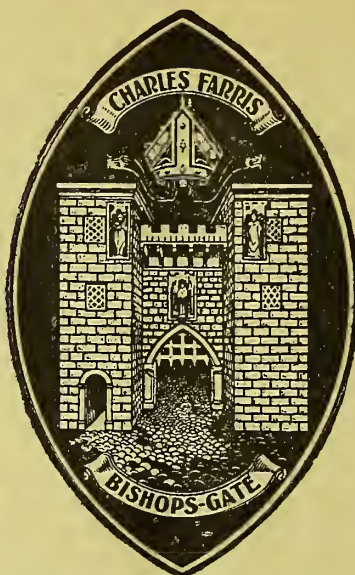
Preparing for Winter

Never in the History of Printing will Chemists find it more difficult to get their Orders executed than this coming Winter. Material and Labour is nearly exhausted, and we would strongly urge our Customers to place their Orders at once, and not to wait until they are wanting goods, as there is every probability of them not being executed if delayed.

We have everything
you want at present.

Full Set of Samples to Colonies charged
10/6, which amount we credit for
Order of £5 and upwards.

THOMAS WAIDE & SONS,
Medical Printers—LEEDS.



BEEES

WAX

“FARRIS’S”

Real Old-fashioned, Guaranteed Genuine Air-Bleached, B.P.

The ONLY Actual MANUFACTURING WAX CHANDLER in the City of London.

“FARRISOL”

— ENGLISH MADE —

WHITE MEDICINAL OIL, B.P.

(PARAFFINUM LIQUIDUM, from Pure Russian Oils).

Guaranteed to exactly conform to B.P. tests.

RECOMMENDED AND ADOPTED BY THE HIGHEST MEDICAL AUTHORITIES.
ABSOLUTELY ODOURLESS AND TASTELESS.

Consumers should insist upon a thorough test, as there are so-called white oils on the market which lack the pure ingredients and the special treatment absolutely essential to produce the B.P. article. By purchasing from Charles Farris you secure the guarantee of an old-established House and complete satisfaction.

Samples and prices for comparison free on application.

Large Stocks always Ready for Immediate Delivery.

Bees Wax, Spermaceti, Paraffin Wax, Candles, Olive Oil Soap, Pure Olive Oil, Lubricating Oils. Insulating Fluid and Wax.
Special Refiner of Oils for the fine Clockwork of Telegraphic Instruments. OIL REFINER TO H.M. GOVERNMENT.

The only actual Manufacturing Wax Chandler in the City of London.

CHARLES FARRIS, 71 BISHOPSGATE, LONDON, E.C.

Works—HELMET COURT, BISHOPSGATE, E.C.

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TELEGRAMS
ELEVEN
CENT
LONDON

Maw's Page

S. MAWSON & SONS LTD.
(G.P.O. BOX No. 54)
7-12 ALDERSGATE ST.
LONDON E.C.1

NUMBER 298 JUNE 30, 1917

CABLES
ELEVEN
LONDON

CODE
A.B.C.
4th & 5th
EDITION

Supremacy

The circle on the wings of the British airman's aeroplane is the mark of efficiency that the world has learned to respect. The circle on British-made "Maw" productions is the mark of quality that has the world's confidence.

SOME JULY OPPORTUNITIES :

MAW'S EUGENIC MILK STERILIZER.

In two sizes, complete with draining Stand, Cruet & Saucepan. 6 Bottles, 11/6 each ; 10 Bottles, 15/- each.

LAVENDER SMELLING SALTS. No. 99B.

Actinic Green Globe Stoppered Bottles, daintily labelled in colours. 5/7 dozen.

RUBBER SPONGES

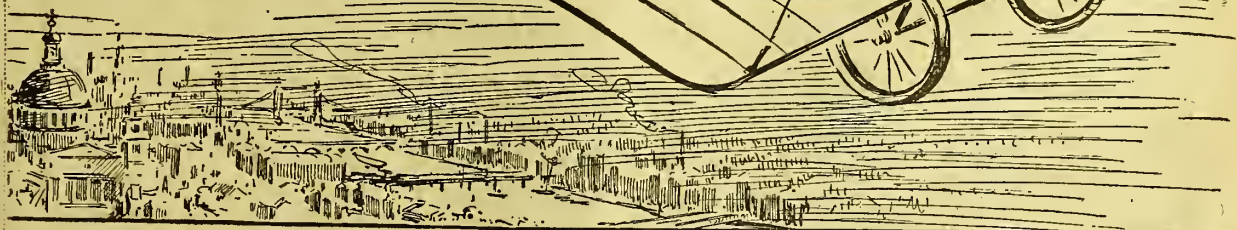
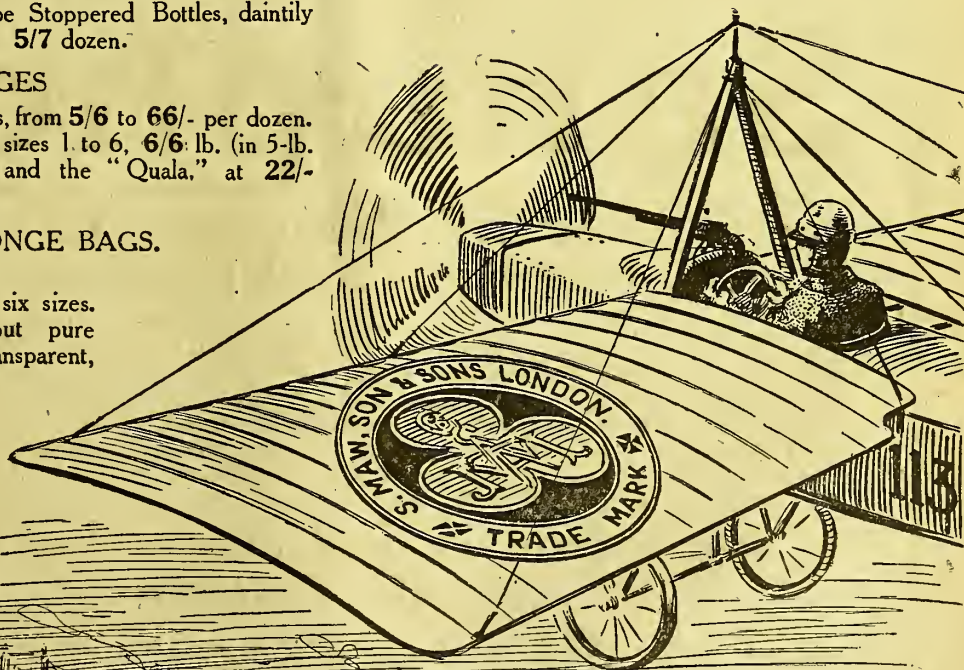
in all sizes and prices, from 5/6 to 66/- per dozen. Also *British make*, sizes 1. to 6, 6/6 lb. (in 5-lb. lots 6/3 per lb.); and the "Quala," at 22/- and 48/- per dozen.

TWO NEW SPONGE BAGS.

Extra heavy proof.

"Super Fancy" in six sizes.

"Pure Gum," stout pure Indiarubber semi-transparent, in six sizes.



HOOKER'S MALTED MILK

"A complete food." — *Lancet*.

SELLS ENTIRELY ON MERIT.

There is no Higher Quality or Better Value



BRITISH MADE & BRITISH OWNED

DEMAND RAPIDLY INCREASING.

LARGE PROFITS TO SELLERS.

PRICES AND TERMS FROM

THEW, HOOKER & GILBEY, LTD., BUCKINGHAM.

Sanaphos

T. M., Reg.

**For all Disorders of
Nutrition and Nerves**

NUTRITION needed for nerves in neurasthenia and nervous debility in these nerve-wearing and distracting times is amply supplied by SANAPHOS, which is not a one-constituent food, but is replete in tissue-repairing and energy-giving constituents.

These are supported by the phospho-nucleins and other organic phosphorus compounds, enzymes and vitamin which ensure assimilation and repair, restoring to the organism tone, nerve fitness and vigour.

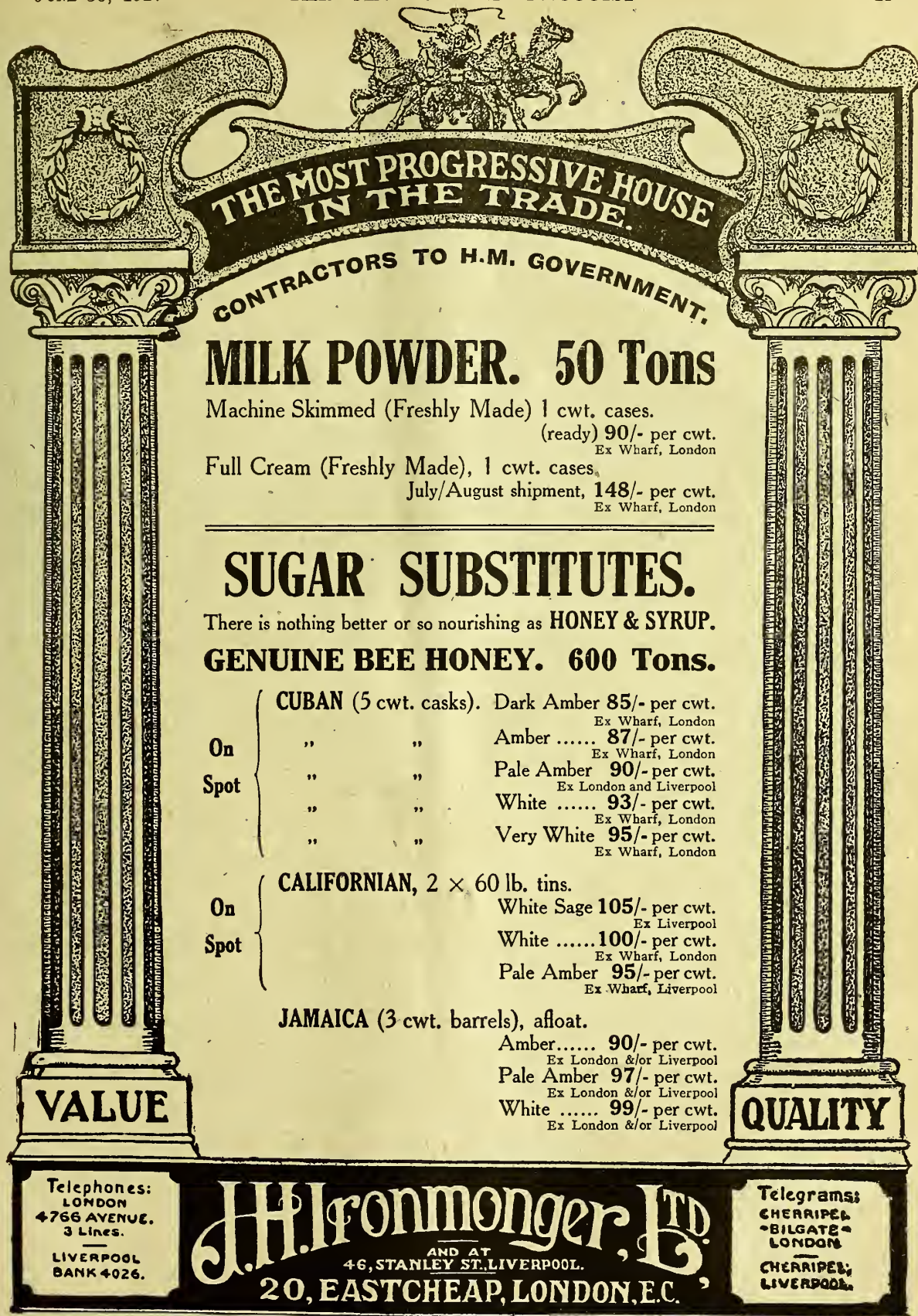
SANAPHOS has an attractive milk-like flavour and is soluble. Patients take it readily, and it has given most valuable results in all debilitated conditions, restlessness, insomnia, and helps in a very striking way in bringing those weakened by illness back to strength.

**Sanaphos is and always has been
wholly British.**

SANAPHOS is procurable at fixed prices from all Chemists and Stores throughout the world.

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BRITISH MILK PRODUCTS CO., LTD.
69 MARK LANE, LONDON, E.C. 3.



**THE MOST PROGRESSIVE HOUSE
IN THE TRADE.**

CONTRACTORS TO H.M. GOVERNMENT.

MILK POWDER. 50 Tons

Machine Skimmed (Freshly Made) 1 cwt. cases.
(ready) 90/- per cwt.
Ex Wharf, London

Full Cream (Freshly Made), 1 cwt. cases.
July/August shipment, 148/- per cwt.
Ex Wharf, London

SUGAR SUBSTITUTES.

There is nothing better or so nourishing as **HONEY & SYRUP.**

GENUINE BEE HONEY. 600 Tons.

	CUBAN (5 cwt. casks).	Dark Amber 85/- per cwt. Ex Wharf, London
On	" "	Amber 87/- per cwt. Ex Wharf, London
Spot	" "	Pale Amber 90/- per cwt. Ex London and Liverpool
	" "	White 93/- per cwt. Ex Wharf, London
	" "	Very White 95/- per cwt. Ex Wharf, London

	CALIFORNIAN, 2 × 60 lb. tins.	White Sage 105/- per cwt. Ex Liverpool
On		White 100/- per cwt. Ex Wharf, London
Spot		Pale Amber 95/- per cwt. Ex Wharf, Liverpool

JAMAICA (3 cwt. barrels), afloat.

	Amber..... 90/- per cwt. Ex London &/or Liverpool
	Pale Amber 97/- per cwt. Ex London &/or Liverpool
	White 99/- per cwt. Ex London &/or Liverpool

VALUE

Telephones:
LONDON
4766 AVENUE.
3 Lines.
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LIVERPOOL
BANK 4026.

J. H. Ironmonger, Ltd.

AND AT
46, STANLEY ST. LIVERPOOL.
20, EASTCHEAP, LONDON, E.C.

QUALITY

Telegrams:
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BILGATE
LONDON
—
CHERRIEP
LIVERPOOL.



TRADE MARK.

Established 132 Years ago.

British Partners since
Commencement.

R. J. FULLWOOD & BLAND,

THE ORIGINAL INVENTORS OF ANNATTO.
THE FIRST MANUFACTURERS OF RENNET IN ENGLAND.

ANNATTO

*Cheese Rennet, Butter Colour, Essence of Rennet,
Rennet Powder, Junket Powder, Junket Tablets.*

Offices and Manufactory: 31, 33, 35 BEVENDEN STREET, HOXTON, LONDON, N.

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK

FRAME FOOD

ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

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ALIMENTARY AND INDUSTRIAL

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Office: 5 LLOYD'S AVENUE, LONDON, E.C.

Works & Warehouses: 9 ALDCATE AVENUE, LONDON, E.

TELEPHONES - - AVENUE 34 & 35
TELEGRAMS - - "SURICODON, LONDON."

A. MILLAR & CO., LTD., DUBLIN PURE ORANGE WINE

(VANUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopoeia.

(Wholesale only)

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WINCARNIS

Sells readily ALL the time.

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.

IMPORTANT NOTE
TO CHEMISTS
WITHOUT LICENCES

It has been established
by law that Registered
Chemists may sell
"Wincarnis with
Quinine" *without a*
licence.

This preparation is
guaranteed to be the only
genuine original
SANATOGEN



It will later on be re-named **GENATOSAN**,
to distinguish it from
inferior substitutes

GENATOSAN'S FORTNIGHTLY LETTER.

No. 2.

Our New "Identification Disc."

Dear Sir,

This copyrighted seal-label printed in red, white, black and gold will in future be affixed to the outside packing of all our preparations.

Its object is two-fold, first, to guarantee to the public that these are the genuine original products; secondly, to familiarise the public with the word "Genatosan" before we re-name Sanatogen.

As we pointed out in a previous announcement, this change of name will not be made for a considerable time yet, and will be effected very slowly and gradually.

In the meantime the important thing is to prepare your customers beforehand as much as possible, constantly reminding them, as our advertisements do, that "Sanatogen will later on be re-named Genatosan."

This "identification disc" will give you a convenient opportunity to mention the matter, and you would greatly assist us by doing so whenever you have the time.

If you would like to affix this seal to your present stocks we shall be pleased to send a supply on hearing from you as to the number you require for each of our preparations.

We are, dear Sir,

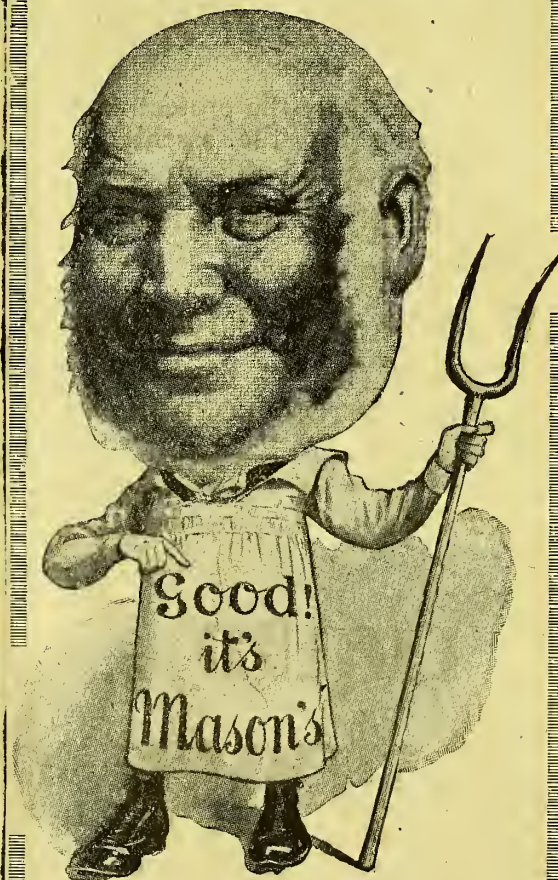
Yours faithfully,

GENATOSAN, Ltd.

(Chairman: Lady Mackworth)

12 Chenies Street, London, W.C. 1.

MASON'S EXTRACT of HERBS



The most Refreshing, Delightful,
Exhilarating, Health-giving, Eco-
nomical, Thirst-quenching Beverage
in the World.

THE CHEAPEST HARVEST DRINK.

MANUFACTURERS:

NEWBALL & MASON
NOTTINGHAM.



There is no better
Flask made than the

"ALL BRITISH" VACUUM FLASK,

of which not only the protective
outer casing but the essential
glass vacuum bottle are

MADE IN ENGLAND.

SOLE MAKERS—

AERATORS LIMITED

"Prana" Sparklet Works,

UPPER EDMONTON, LONDON, N.

LIQUID GLUCOSE

SO₂ Free.

NO BLUEING USED.

Specially pure for
Pharmaceutical Preparations.

THE
**MANBRÉ SACCHARINE
Co., Ltd.,**

HAMMERSMITH, LONDON, W. 6.

Do You Sell Sister Lauras Food?



The question is often asked nowadays.
The Chemist who does not stock Sister
Lauras Food is missing a good line.

Sister Lauras Food is achieving great
success as a preparation for weakly
babes and for invalids and the aged.

It makes milk digestible and is invaluable
in cases of malnutrition.

It is a thoroughly reliable line and one
that brings a handsome return.

Price 1/- & 2/6 per tin.

Samples and advertising matter free on application.

SISTER LAURAS INFANT FOOD CO., Ltd., 156 Vincent Street,
GLASGOW.

SAPONINE

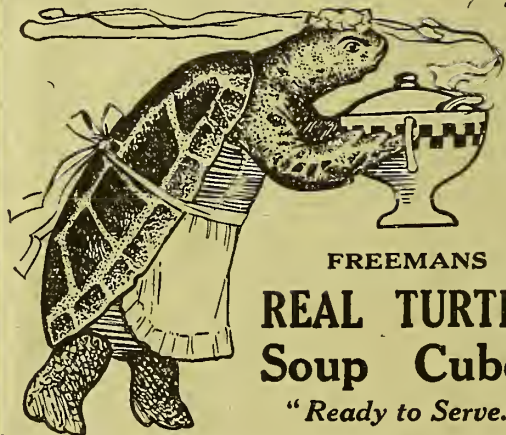
(SOLUBLE),

MANUFACTURED BY

C. W. FIELD, LTD.,

Cambrian Mills, LIVERPOOL.

Special Terms to Wholesalers and large Consumers.



**FREEMAN'S
REAL TURTLE
Soup Cubes**
"Ready to Serve."

Made from the real rich meat of selected West
Indian Turtles—so that real Turtle Soup, once
the privilege only of the rich, is now a delicacy
easily accessible to every household. No
other soup is so nourishing and delicious.

Made in a minute with boiling water.

To retail in 1/- Cartons containing 4 Cubes,

**THE WATFORD
MFG. CO., LTD.,**

Makers of
Freeman's Table
Dainties Boisseliers
(Boy-sel-e-a) Chocolates
and Vi-Cocoa,
Victoria Wks. Watford

Freeman's
READY SOUPS
Watford

THE WAR

AND

ROSE'S LIME JUICE CORDIAL.

TO THE TRADE—

Telephone: LONDON WALL 722.
Telegrams: "ESOR, FINSQUARE, LONDON."

89 Worship Street,
LONDON, E.C. 2.

June 1917.

Dear Sirs,

Owing to the limited quantity of Sugar we are now allowed to use under the Sugar Restriction Order we find we are quite unable to supply the War Office, British Red Cross Society, and Y.M.C.A. with all the ROSE'S LIME JUICE CORDIAL they so urgently require for the British Expeditionary Forces and War Hospitals and at the same time continue to carry on our usual business. We have, therefore, decided to devote the whole of the present restricted output of our Speciality for the use of H.M. Forces abroad and the wounded in Hospital, so long as the urgency exists.

We hope that increased supplies of Sugar may soon be available so that we may be able to resume our ordinary business in ROSE'S LIME JUICE CORDIAL.

In the meantime we shall be glad to supply you with any quantity of our UNSWEETENED LIME JUICE on same terms as the CORDIAL. We find this is being used freely, consumers drinking it unsweetened, or sweetening to taste. Any inquiries you may favour us with will receive our prompt attention.

We are, Dear Sirs,

Yours faithfully,

L. ROSE & CO., LTD.

REDDGRAVE, BUTLER & CO.
ESSEX HOUSE, STRATFORD, E. 15.

Telephone : Stratford 799.

PARAFFINUM LIQUIDUM, B.P. WHITE OILS.

**WE CAN OFFER FOR IMMEDIATE
DELIVERY**

**GENUINE RUSSIAN
PARAFFINUM LIQUIDUM
B.P.
(BRITISH REFINED.)**

SAMPLES and PRICES UPON APPLICATION.

WE DO NOT NEED A PRIORITY CERTIFICATE FOR DELIVERY OF THIS MATERIAL.



The Finest Quality
Aerated Waters are
made only with
the Finest Quality
ESSENCES

**Boake
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Soluble Essences are
of the finest quality
and being extremely
concentrated are
most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash
	Vanilla

A. Boake Roberts & Co. L^{td}.
Stratford, London



**Every
Munition Worker**

needs a THERMOS, and
practically every Munition
Worker in your district will
buy one if you make an
attractive display of the
genuine THERMOS in
your window. We will assist
with Catalogues, Leaflets,
and Advertising Matter.

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**STOCK THE
GENUINE**

THERMOS

*CATALOGUES, Etc.,
ON REQUEST.*

THERMOS LTD.

Byron House, 2 & 4 Finsbury Street,
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C.V. & S.-3.

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Price List and
Trading Terms.

ODOL
Chemical Works,
BERKHAMSTED.

Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow
and golden, for pharmaceutical
purposes.

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The Dee Oil Company, Ltd.
Delta Works . Bootle . Liverpool.

Packed in barrels, kegs, and smaller
packages according to requirements.

Inquiries are solicited for this article
of **BRITISH MANUFACTURE**, and
buyers may rely that for quality and
price it will meet any competition.

Other Grades
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"OLEUM DEELINÆ," a certain cure for Eczema.

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Petroleum Jelly

White, Yellow, Amber,
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Pharmaceutical and
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MEADE - KING, ROBINSON & CO.
LIVERPOOL . . . MANCHESTER

SAVE 3/- PER GALLON
BY BUYING
GUARANTEED GENUINE
NEWFOUNDLAND NON-FREEZING
MEDICINAL COD LIVER OIL
OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

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And of ST. JOHN'S, N.F.

Established 1780.

**SHAVING
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I can offer for a Few Days only

ABOUT 10 GROSS

Grey string-bound Hog-Hair

SHAVING BRUSHES

BRITISH MADE, AT

7/6 - per doz.

CASH WITH ORDER, POST PAID

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A powerful antiseptic and deodorant.

"PETAL DUST" REGD.

The greatest of all floral air-purifiers.

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "PETAL DUST" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

Retails in 3d. and 6d. packets

Attractive Showcards, Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

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Cable Address—**MAGLAUR.** New York City, U.S.A.

Importers and Manufacturers.

ESSENTIAL OILS, VANILLA BEANS, DRUGS & CHEMICALS.

We offer for sale—

Oil Peppermint, American	Oil Sassafras, Natural
" Spearmint	" " Artificial
" Birch (Wintergreen)	" Wormseed, Baltimore
" Wintergreen Leaf	" Wormwood, American
" Cedarwood	" Sandalwood, W.I.
" Limes, Distilled	Balsam Tolu
" " H.P.	" Copaiba
	" Peru

We solicit correspondence relating to the purchase or sale of any article used in the Drug, Perfumery or Soap Trades.

Now is the time to

PUSH

ANZORA CREAM. It will delight a man to use, whatever his age, or whether he be in khaki or 'civis.' Anzora will keep the most uncontrollable hair in place without the aid of oil or grease, and it is a splendid tonic for hair roots and scalp.

For Dry Scalps you should recommend Anzora Viola which contains a little Anzora Oil of Violets.

Beware of substitutes—they are apt to leave flaky deposits and are sure to disappoint customers.

Trade Terms:

11/6 per doz. Retail at 18/-
19/6 " " 30/-

ANZORA
HAIR CREAM

Anzora Perfumery Co.
32/34 Willesden Lane,
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Name and
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ANTISEPTIC BABY POWDER

MANUFACTURED BY

Johnson & Johnson.

We wish to warn our Customers, so that they may be on their guard, that our package is being imitated. This step, which is so easy, is an undignified and shabby attempt to rob us of our goodwill.

WARNING.

The contents cannot be imitated, and the Trade Mark cannot be imitated; and we would ask those Customers who have handled this preparation for a quarter of a century, with every satisfaction to themselves and to their clients, to resent this method of copying other firms' productions by insisting on having the original package bearing the registered Trade Mark, which is the guarantee of quality.

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Highly polished foils—printed, lacquered, embossed or plain. Guaranteed free from lead for tobacco, cigarettes, food-stuffs, etc. In sheets or reels—large or small quantities

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**SNOW-WHITE OPAQUE
ROLLED SKINS.**

SOMETHING QUITE NEW. These
Skins are damp and READY FOR USE.
The raw material for Baudruche manu-
facture being now unobtainable, I am putting
this new production on the market in its
place. ABSOLUTELY AS OPAQUE
as Split skins and equal in appearance.

"Mine beat
all others."



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THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.

LIKE A
CUBIST DRAWING
appear the old-
fashioned cappings
in comparison with a

SEMREH

**SELF-FIXING
BOTTLE CAP**

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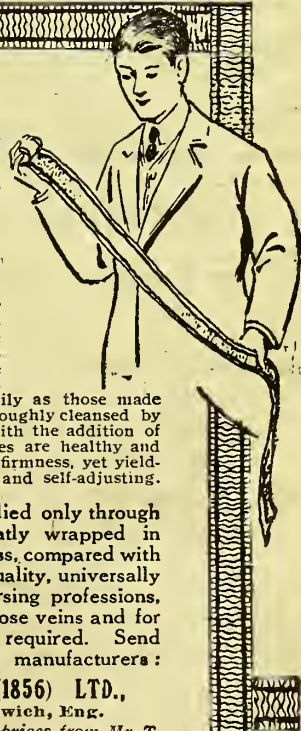
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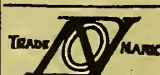
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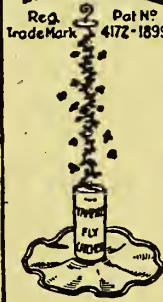
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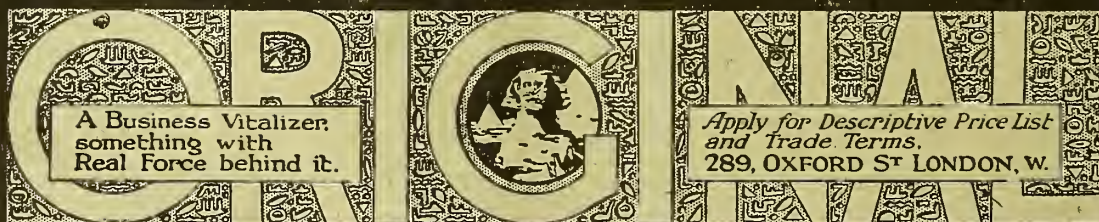
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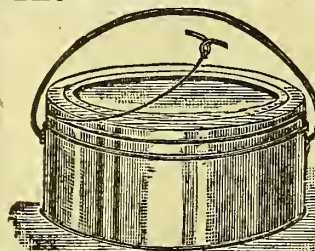
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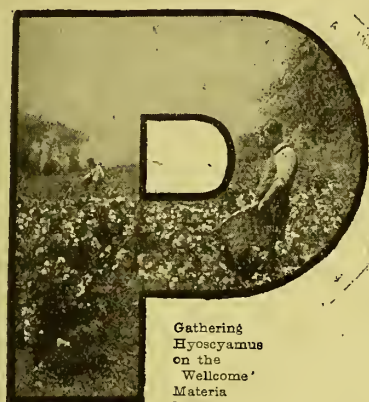
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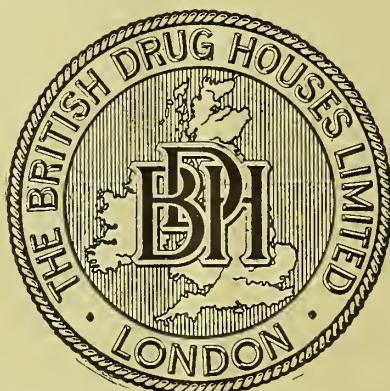
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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, July 1.

Pharmacists' Volunteer Corps, Imperial College Union, Prince Consort Road, South Kensington, London, W., at 10 A.M. Parade. July 3 (8.45 P.M.), Officers and N.C.O.s class; July 4 and 5 (3 P.M.), drills.

Monday, July 2.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 5 P.M. General meeting of members.
Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8 P.M. Dr. P. E. Spielmann and Mr. G. C. Petrie, "Some Observations on Crude (Coke-oven) Benzoles"; Mr. Julian L. Baker on "The Use of Brewers' Yeast in Bread-making"; and Mr. J. H. Coste on "The Absorption of Atmospheric Gases by Water."

Tuesday, July 3.

Association of Women Pharmacists, Dr. Williams's Library, Gordon Square, London, W.C., at 7.30 P.M. Annual meeting.

Wednesday, July 4.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting.

Sheffield Pharmaceutical and Chemical Society, Literary and Philosophical Society's Rooms, Church Street, at 8.30 P.M. Annual meeting. A special meeting of the Pharmaceutical Committee will be held afterwards.

European War News.

Import and Export Notices.

AUSTRALIAN COMMONWEALTH.—The importation into the Commonwealth has been prohibited of the articles or preparations known and described as dolichos, dolichos down, dolichos pubes, cowhage, cowitch, juckpulver, cachoo, electric-snuff, and Balkan or suffragette bombs, whether described by these or any other names, and of all articles or preparations of a similar character.

RUSSIA.—Glucoso in all forms has been placed on the prohibited list of exports. Oilseeds cannot now be exported direct to Allied countries in Russian or Allied ships without a special licence having to be obtained in the case of each consignment.

SWITZERLAND.—The Board of Trade are in receipt of copy of a Decree of the Swiss Federal Council, dated May 9, respecting the declaration, for statistical purposes, of goods imported into and exported from Switzerland. This Decree embodies provisions relative to the particulars which are required to be entered in import and export declarations; the persons who are responsible for furnishing such declarations; the collection of the statistical tax, and the exemption from this tax accorded to certain classes of traffic, and various connected matters.

UNITED KINGDOM.—By an Order in Council dated June 22 a number of alterations are made in the prohibited export lists for the purpose of reclassification. In the following the parenthesised letters show the classes: Asphalt (B), asphalt, coal-tar (B), bitumen, liquid or solid (B), adrenalin (C), alypin (C), aloe-juice (C), amylene (C), anchusa (C), anchusin (C), apiol (C), chlorides, metallic and metalloids, not otherwise prohibited (C), citrates (B), digitaline (C), ergotins (C), eryngo (C), eserine (C), exalgin (C), hydrastis canadensis (C), hydrocyanic (prussic) acid and solutions thereof (A), lactates, not otherwise prohibited (A), lactic acid (A), liquorice roots and juice (C), lithium compounds (C), lycopodium (C), manna (A), mannite (A), paraffin, liquid medicinal (A), pepsin (C), peptone (C), pilocarpine (C), potassium carbonate and mixtures containing potassium carbonate (A), saffron (C), sodium peroxide (B), sulphocyanides, not otherwise prohibited (C), sulphocinates (C), tannalbin (C), tannigen (C), vaccines (C), valerianates, not otherwise prohibited (C), valerianic acid (C), fenugreek-seed (B), glue, osseine and concentrated size, fish glue, isinglass, finings and other kinds of gelatin (B), gum tragacanth (B), insecticides, not otherwise prohibited (C), iridium and its alloys and manufactures containing iridium (C), lithium (C), mineral jellies (A), molasses, and articles, mixtures, and preparations containing molasses (A), motor-spirit (A), linseed oil and articles and mixtures containing it (A), all other vegetable oils, not otherwise prohibited (B), osmium and its alloys and manufactures containing osmium (C), palladium and its alloys and manufactures containing palladium (C), paraffin oil (A), pepper (B), petroleum fuel-oil (A), petroleum gas-oil (A), petroleum lighting-oil (A), petroleum spirit and articles containing petroleum spirit (A), petroleum and its products not otherwise specifically prohibited, and mixtures thereof (A), levulose (A), milk-sugar (lactose) (A), yeast, and articles, mixtures, and preparations containing yeast (A), rhodium and its alloys and manufactures containing rhodium (C), ruthenium and its alloys and manufactures containing ruthenium (C), silicon (C), tallow, and articles, mixtures, and preparations containing tallow (A), tar oil not otherwise specifically prohibited (C), tungsten alloys (A), turpentine substitute and articles containing turpentine substitute (A), vanillin (C), varnishes, containing shellac, oil, or turpentine, not otherwise prohibited (B).—Among the recent interpretations of prohibitions of export from the United Kingdom are the following (P.=prohibited, N.P.=not prohibited to any port or destination except in Sweden): Alcohol in which microscopic slides or laboratory specimens are packed, N.P.; aniline dye, manufactured articles containing not more than 3 per cent. of, as the only prohibited ingredient, N.P.; argols, crude (used in the making of tartaric acid), P.; capsicum essence made from chilli-fruit, P.; carbolic acid and formaldehyde B. & W. mixture known as "liquid resin," P.; carbolic acid in preparations containing not more than 4 per cent. extractable crystals as the only prohibited ingredient, N.P.; cardamoms, P.; chloroform, P.; cutch, P.; ether, ozonic, P.; glycerin in toilet and other preparations containing not more than 1 per cent. as the only prohibitable ingredient, N.P.; naphtha, wood, P.; perfumed spirits, N.P.; pyrometers, P.; rectified spirits of wine, P.; tartar emetic, P.; terebene, P.; tinfoil, P.; vasoline, P.

Seeds, Oils, and Fats.

The Minister of Munitions has amended the Orders made by him, dated May 1 and 9, 1917 (see *C. & D.*, May 5, p. 33, and May 12, p. 33), regulating dealings in seeds, nuts, kernels, oils, and fats, so far as regards the maximum prices thereby fixed for dealings in castor oil and palm oil.

As on and from June 20 the maximum prices specified in the schedule to this Order for purchases and sales of and dealings in castor oil and palm oil shall be substituted for those specified in the schedule to the Order of May 9 for purchases and sales of and dealings in such oils.

Schedule.

	Per ton.
	£ s. d.
Castor oil (pharmaceutical)	88 0 0
" (ordinary)	80 0 0
Palm oil (bleached)	50 0 0
" (unbleached)	44 0 0

The above prices are for oil net, naked, ex ship, mill, or warehouse in the United Kingdom. Packages may be charged extra at current market rates, but not exceeding 4% per ton on the oil, or (in the case of castor oil sold for any special purpose in special packages) such higher sum per ton (if any) as may from time to time be authorised to be charged by the Controller of Oils and Fats.

It will be remembered that in the original schedule the maximum price of castor oil was fixed at 80%, no distinction being made as to quality, so that the above amendment of the schedule to 88% for pharmaceutical quality will be satisfactory to the pressers.—EDITOR.]

Certified Occupations.

The revised list of certified occupations to which we referred last week (p. 33) is now obtainable from the Stationery Office (*1d.*). There has been no alteration in regard to dispensing, analytical, consulting, or research chemists, the entries remaining as they were in the list issued last February. The following are among the alterations in the age limits which have been made in the section *Chemical, Oil, Paint, etc., Trades* (the age limit formerly in force is placed in parentheses): Head chemical laboratory attendant, married, 31 (27); analytical chemist with wholesale druggist, 31 (30); the reservations for "other chemical trades, including dyestuff, acid, and alkali manufacture" have been recast, the age limits for foreman; overlooker and process man in charge of any chemical process being raised for single men to 31 (30); a new entry is "man assisting in any chemical process," the age limits for which are single men 41, and married 33. The following section in the introduction to the list is new:

A man is not entitled to claim that he is employed or engaged in a certified occupation unless that is his principal and usual occupation. A man is to be treated as in a certified occupation if he complies with the conditions, whether he is an employed person or a man working on his own account, or an employer. In the case of a man who is not wholly engaged in one or more certified occupations particular care is necessary to ascertain whether his principal and usual occupation is a certified occupation.

Personalia.

TEMPORARY CAPTAIN JAS. WILLIAMSON TOCHER, M.B., R.A.M.C., son of Dr. Jas. F. Tocher, Ph.C., Aberdeen, has been awarded the Military Cross.

LIEUTENANT T. M. ORMISTON, R.A.M.C. (T.F.); whose promotion we announced last week (p. 33), is the eldest son of Mr. R. Ormiston, chemist and druggist, Alloa, N.B. [Corrected note.]

MR. ANDREW CHAPMAN, who for the last thirteen years has represented Zenobia, Ltd., has joined the Colours, and is attached to the Transport Section. Mrs. Chapman is to "carry on" during his absence.

THE DISTINGUISHED CONDUCT MEDAL has been awarded to Private H. Allen, who prior to joining the Royal Fusiliers twelve months ago was assistant to Mr. F. J. Goodwin, dispensing chemist, Normanton Road, Derby.

PRIVATE ROBERT LOCKWOOD, of the Lancashire Fusiliers, is in the Canadian General Hospital suffering from gunshot wound in the back. Prior to enlistment he was in the employ of John Riley & Sons, Ltd., chemical-manufacturers, Hapton, Burnley.

CAPTAIN GEORGE ROBERTSON LIPP, R.A.M.C., has been awarded the Military Cross. Captain Lipp is the eldest son of Mr. Geo. Lipp, chemist, Fochabers. He received his early education at Milne's Institution there, afterwards going to Aberdeen University to study medicine, graduating M.B., Ch.B., with second-class honours, in July 1914. He was appointed house physician at Derbyshire Royal

Infirmiry, and on receiving his commission in April 1915 proceeded to France, where he has served at the Front ever since. Captain Lipp is at present home on sick-leave.

Miscellaneous.

ENEMY FIRMS TO BE WOUND UP.—John Cornelius Bell, 33 Orchard Street, Oxford Street, London, W., American dentist. *Controller*: S. J. Field, 17 Shaftesbury Avenue, W.—Vixol, Ltd., Tandem Works, Merton Abbey, S.W., manufacturers of a preparation for the cure of asthma. *Controller*: B. D. Holroyd, 6 Great Winchester Street, Old Broad Street, London, E.C.

MINERAL RESOURCES OF THE UNITED KINGDOM.—The development of the mineral resources of Great Britain and Ireland by the Ministry of Munitions is likely to lead to results which will benefit this country after the war. The home supply of tungsten, employed in the manufacture of high-speed steel, is being expanded, and the lead and zinc resources of the country are being developed. A sulphur-pyrites mine has been acquired.

LIMITING PROFITS.—Lord Rhondda has decided that in order to limit further rises in the prices of the important foodstuffs it will be necessary to institute a system of limiting profits at every stage from the producer to the distributor. To determine the exact costs of production and handling a Costings Department has been set up by the Ministry of Food, consisting of accountants, who will have full powers to examine books and obtain all particulars needed to arrive at accurate figures as to costs. The object of control will be to fix prices by reference to actual costs, with the addition of a normal pre-war rate of profit independent of market fluctuations, in the manner which has already enabled the Army authorities to purchase many of their essential supplies at prices considerably below market prices ruling for civil consumption.

Military Tribunals' Decisions.

SINCE our last issue the following decisions have been notified:

BAENSTAPLE.—Mr. Chas. W. Lee, chemist's assistant, has been given exemption to September 1.

BODMIN.—Mr. F. V. Hendy, chemist's assistant, has been granted three months' exemption.

KENT (WEST).—A military appeal against exemption held by Mr. Allen S. J. Treacher, chemist's assistant, of Gillingham, has been disallowed.

LEWISHAM.—Further exemption was refused for F. M. Ridout, assistant with Butcher, Curnow & Co., Ltd., chemists, Blackheath.

MALVERN.—Mr. Arthur S. Clark, chemist and druggist, secured conditional exemption.

REDHILL.—Mr. Harry Hocken, chemist and druggist, Station Road, Redhill, has been granted three months' temporary exemption.

ROCHDALE.—Mr. R. Whittaker, chemist and druggist, Castleton, Lancs, has been granted conditional exemption.

SHEFFIELD.—Mr. F. Woolston, drug-store proprietor, has been exempted until October 31.

WINDSOR.—Mr. Joseph Hewitt, chemist and druggist, with a large Insurance dispensing business, received three months' exemption.

At Holywell Police Court, on June 21, Mr. William John Ames, assistant with Mr. Samuel Jones, J.P., chemist and druggist, was charged with failing to respond to a calling-up notice served upon him as an Army reservist. Mr. Ames said he had a personal appeal pending with the Local Tribunal, and that had been adjourned until the end of June. The Bench decided to adjourn the case for a week, to await the decision of the County Tribunal, inasmuch as the Local Tribunal had referred the matter to them. The Military Representative: The Appeal Tribunal has no right to consider the case. The Chairman: That is our decision.

Lambeth Board of Guardians have released Mr. Penry S. Thomas, chemist and druggist and dispenser at their infirmary, on sick-leave. He has made a request that he might be permitted to join a combatant branch of the Army, as he was eligible under the recent scheme, and in the hope that this would result in his complete restoration to health. The Visiting Committee recommended that he be granted the necessary permission and that the regulations of the Board with regard to his salary during the absence of any officer on military service apply in this case. Mr. W. F. Heeley, chemist and druggist, has been engaged to perform Mr. Thomas' duties during his absence, at a salary of 4l. 4s. a week. The Board decided to discuss the matter in Committee at the close of their meeting.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Society of Chemical Industry.

The annual general meeting, to be held in the University Buildings, Edmund Street, Birmingham, July 18, 19, and 20, will include the congress on the progress of chemical industry and applied chemistry, which was introduced at the Manchester meeting two years ago. The annual meeting will begin at 11 A.M. on July 18, when Dr. Charles Carpenter, the President, will deliver an address. A luncheon will afterwards be held at the Grand Hotel, by invitation of the Birmingham and Midland Section. In the afternoon the first sitting of the Congress will take place, four papers dealing with siliceous materials being on the agenda. These include one by Mr. H. Walkins on "Chemical Porcelain." There is to be a reception in the evening in the Grand Hotel. On July 19 there will be sessions of Congress in the morning and afternoon, an informal dinner being arranged for the evening. The papers on Thursday deal with coal by-products, the rubber industry, and metallurgical subjects. Two of the papers are "The Manufacture of Synthetic Nitrates by Electric Power," by Mr. E. K. Scott, and "The Synthesis of Ammonia and its Oxidation to Nitric Acid," by Dr. E. B. Maxted. On Friday morning there will be papers on "Artificial Silk," "Industrial Research," and "Activated Sludge Process," and one of great pharmaceutical interest by Mr. E. W. Mann, a director of Southall Bros. & Barclay, Ltd., entitled "The Future of the Fine-chemical Industry." The afternoon is to be spent in visiting local works. It is mentioned also in the programme that an exhibition of apparatus is being arranged in the University Buildings by several firms. The Secretary of the Section is Mr. F. R. O'Shaughnessy, 24 Temple Street, Birmingham.

Contracts.

The following contracts have been placed by Boards of Guardians:

Brighton.—Corbyn, Stacey & Co., Ltd., for drugs and druggists' sundries at fixed prices when quantities are quoted, and other items at 25 per cent. off prices current.

Cranbrook.—Mr. A. J. Gray, dispensing chemist, Hawk-hurst, Kent, medical appliances.

Newcastle-under-Lyme.—Alderman C. J. Wain, Ph.C., drugs for three months.

Orsett.—Jordan Bros., Grays, for drugs.

Southwark.—An offer from The British Drug Houses, Ltd., to supply drugs for a further period of three months, subject to certain increases and decreases, has been accepted.

Birmingham.

The same sized bottle of castor oil as pre-war times may still be had for the same price in some of the small hucksters' shops in this city!

Lubricating machinery oils are becoming very scarce and difficult to obtain, and there is much need of substitutes. Plumbago and the like are being tried.

Early in the week, with the sun temperature at 90° F. and 80° F. in the shade, and "no beer" placards, pharmacies had many orders for cooling effervescent drinks and ginger-beer powders.

Mr. T. G. Joyce, whose business has just been converted into a limited company, is a Bachelor of Science of the London University, and was formerly analytical chemist with Blackwell, Hayes & Co.

In Birmingham business men have established a club known as the Rotary Club, and every Monday evening after dinner an address is given and discussion follows. It has proved a great success. Last week Mr. Wilfrid Hill (of the County Chemical Co.) gave the address on "Birmingham and the Incidence of its Rates," which was a severe indictment against the present system.

Liverpool.

The tendency to make window-displays of aggregated packages of several proprietary articles is increasing.

Business is reported to be suffering from holiday disturbance and difficulty in obtaining supplies, but a slight fillip has arisen owing to the by-election in the Abercromby Division, which embraces about half of the commercial centre of Liverpool.

The Liverpool Select Vestry (the Board of Poor-law Guardians for the old city area) has accepted a tender for a large quantity of "pearl-powder." When a member asked the nature of the substance he was informed that pearl-powder is a substitute for the now unobtainable washing-soda, and that it is "three times as strong as soda."

Eleven more Chinese were charged at the Police Court on June 27 with being unauthorised persons in possession of prepared smoking-opium. Roi Hook Hoi was fined 50%, and costs. Chung Yu, who had been previously convicted, was sentenced to three months' imprisonment, and the other nine men were fined 10% each. The magistrate said that no more fines will be imposed.

Manchester.

A correspondent, writing to the "Evening News," complains that a great amount of water is wasted by amateur photographers allowing "the water-tap to run all night, washing their prints." They must be "amateurs," indeed, if that is the way they wash their prints!

"Concentrated-sugar tablets," said to be sweeter than saccharin, are the latest sweetening-agent offered for sale in Manchester. The scarcity of saccharin is becoming acute, very few chemists having any stock. The high prices ruling at present are not conducive to more purchases.

A boy of nine, described as a chemist's errand-boy, was seen staggering along Oxford Road, Manchester, and on being taken to the Royal Infirmary, close by, was found to be drunk. He and two other lads had stolen and imbibed some intoxicants. At the Police Court two of the boys were ordered to be birched, and the other was discharged.

Dr. Niven, medical officer of health for Manchester, in a recent discussion on cases of anthrax arising through the use of infected shaving-brushes, expressed the view that it will be difficult to make regulations which will altogether prevent infection. The danger of contracting anthrax from shaving-brushes is trifling, but sterilisation is probably the most effective safeguard.

Sheffield.

A "Panel Dispensary" is to be opened at Lowfields, Heeley. It is not on the last-published list of the Insurance Committee.

The supply of compressed carbonic-acid gas is causing great inconvenience to chemist aerated-water manufacturers. Only a small proportion of the normal supplies is obtainable.

Dr. J. O. Arnold, who has been appointed Dean of Metallurgy—the first of its kind—at the University, is an honorary member of the Sheffield Pharmaceutical and Chemical Society.

Chemists are evidently satisfied with the Council of the local Society, as the final number of nominated candidates is only sufficient to fill the six vacancies due to the retirement of members.

Mr. J. H. Preston B.Sc., has been appointed sergeant-dispenser at the 3rd Northern Base Hospital, Sheffield. He has seen service in France attached to the West Riding Field Ambulance. Since his return he has been attached to the Wharfedale War Hospital.

The City Council has referred back for further consideration the recommendation of the Committee, which refused to give up more accommodation for the enlargement of the Hawley Street Dispensary, which is insufficient to meet the growing demands of the district.

The Royal Infirmary is faced with difficulties, both financial and staff. The cost of drugs, dressings, etc., has increased out of proportion to the subscriptions, for which further appeals are being made. The staff has been depleted to such an extent that it is possible that the outpatient department may have to close several days each week.

Miscellaneous.

OPIMUM PROSECUTIONS.—At the Thames Police Court, London, on June 26, Way Duck, 4 Birchill Street, Poplar, was fined 5%, and Ching Kau 20s., for being in possession of opium prepared for smoking.

"KEW BULLETIN."—The British Science Guild has issued a memorandum which has been sent to the Treasury regarding the suspension of the "Kew Bulletin." As mentioned last week (*C. & D.*, June 23, p. 49), the Government is now reconsidering the matter.

DEATH FROM BURNS.—An Islington servant has died from burns received from the alcohol in eau-de-cologne. The girl had placed a bottle of eau-de-cologne in a hot oven with a view of loosening a tight stopper, the consequence being an explosion, the burning alcohol setting fire to her clothes.

YOUTHS' FOLLY.—At the Mansion House Police Court, London, on June 21, two youths, Robert Cox and Arthur Inns, in the employ of Chas. Page & Co., chemical-merchants, King William Street, London, E.C., were charged with stealing petty cash from their employers. As they both sincerely regretted their folly, the Lord Mayor bound them over for six months in their fathers' recognisances in 5% each.

FALSE-PRETEXTS CHARGE.—The charge against Percival Lancaster of obtaining goods by false pretences from Mr. J. W. Webber, Ph.C., 202 High Road, Chiswick, W., was further proceeded with at the Acton Police Court on June 20. Evidence was given that accused was not wholly responsible for his conduct, and he was bound over to come up for judgment if called upon.

WHOLESALE DRUGGISTS' EMPLOYÉS.—The National Amalgamated Union of Shop-assistants, etc., now report that the offer to their employés made by two firms of wholesale druggists (*C. & D.*, June 23, p. 35) has not been accepted. The original request for a 20-per-cent. increase is to be submitted to an arbitrator appointed by the Board of Trade, if the firms agree to this course being adopted.

MOTOR-CAR REGULATIONS.—At Darlington on June 21, Wilkinson & Simpson, wholesale druggists, Newcastle-on-Tyne, were fined 10*l.*, and costs, for using a motor-car at Darlington without a licence on April 10. The firm claimed that the car was used solely for commercial purposes, but the Town Clerk said the regulations governing the use of cars for business-purposes had not been complied with.

REGISTRATION OF BUSINESS NAMES.—Documents filed under the Registration of Business Names Act will be available for inspection by the public on and after September 1. The fee payable for each inspection will be 6*d.* The registrations number about 100,000; but it is believed that several thousands more ought to have registered. Prosecutions for default are not likely to commence, however, until the work of indexing is complete.

POISONINGS.—The poisoning fatalities reported during the week include the following: A labourer named Goreing died in Poplar Hospital from the effects of drinking spirit of salt, this being a case of suicide while temporarily insane. A Sheffield young man, named Clarborough, was found by the Coroner's jury to have died "from the effects of self-administered poison—probably liquid chloromorph." A Cardiff servant, named Salmon, died from acute nephritis, "aggravated by taking drugs," several medications having been found in her bedroom.

VENEREAL DISEASES.—The Local Government Board has issued a further circular and forms in connection with the scheme for preventing and treating venereal diseases. Form V.F.1 provides for a statement of payments made and an estimate of payments to be made by public authorities. The list of "approved substitutes for salvarsan" contains kharsivan, arsenobillon, novarsenobillon, diarsenol, and galyol, and, as we have pointed out before, it is incorrect to refer to some of these as "substitutes"; they are actually salvarsan of British manufacture. Form V.13 is a form of agreement between a Council and a hospital authority for the provision of a treatment-centre for venereal diseases. Circular V.D.5 consists of instructions for filling up Form V.F.1.

INDUSTRIAL RESEARCH.—The Advisory Council for Scientific and Industrial Research has issued a publication under the title of "Industrial Research in the United States," by A. P. M. Fleming (Stationery Office, 1*s.*). It contains sixty pages and a good many pictures of various research laboratories in the United States. Among the manufacturing corporations whose laboratories are quoted as examples of industrial research are the Eastman Kodak Co., which spends 30,000*l.* a year on research, the International Acetone Graphite Co., and the National Cash Register Co. One of the illustrations used in connection with the General Electric Co. is a laboratory for Coolidge x-ray tubes. There are seven illustrations of the laboratories of the Eastman Kodak Co. Other sections of the book are devoted to research work in university and national laboratories. Dealing with the organisation of British industrial research, alternative schemes are suggested.

Irish News.

Brevities.

Mr. Wm. Butler has opened business at Bridge End, Belfast, as a wholesale druggist and sundriesman.

The "Belfast Telegraph," in an editorial, criticises the Government management of the supply of glycerin, and comments on the action of local chemists, who continue to sell it for other than medical purposes.

Lieut.-Colonel (temporary Colonel) J. C. Connor, M.B., R.A.M.C., who has been recently appointed a Companion of the Order of St. Michael and St. George, is a cousin of Mr. J. Edgar Connor, J.P., Ph.C., Newry and Warrenpoint.

The dispute between the members of the Limerick Branch of the Chemists' Assistants' Association and their employers

is still unsettled, states the "Freeman's Journal." Some of the assistants, whose notices have expired, have left their employment.

The Local Government Board have directed the Ballinrobe Guardians to assign the contract for medical appliances to Clarke & Co., Belfast, whose tender at an abatement of 16½ per cent. offered better terms than that of Adamson & Co., Ballina, which was accepted at 15½ per cent. off.

A Divisional Certificate for gallantry in the field has been awarded to Sergeant T. F. Lyttle, 108 Field Ambulance, R.A.M.C., son of Mr. W. Lyttle, druggist, 122 North Queen Street, Belfast. Sergeant Lyttle, who came from South Africa to enlist, had already won the Distinguished Conduct Medal for gallantry in July 1916.

Scottish News.

Brevities.

Among the Prize Court seizures which are to be sold by auction at Peterhead are 730 barrels of pale cod-liver oil and thirteen of industrial quality.

A Stirling pharmacy was visited unceremoniously last week by a frightened cow. There was an interested group of spectators, but little damage was done, and the cow was eventually prevailed upon to leave quietly.

The Mid-Scotland Ship Canal scheme is now in concrete form. Plans, etc., have been prepared by a Committee of commercial men, who favour the direct route *via* Falkirk. The Admiralty are also interested in the project.

Mr. Wm. Cummings, dispensing chemist, Thurso, who is Commandant of the Voluntary Aid Detachment, was presented to the King on June 25, when his Majesty inspected the Detachment. Mr. Cummings is President of the Caithness Pharmacists' Association.

The Scottish railway companies have decided to run extra trains during the Glasgow Fair holidays. There will also be extra sailings on the Clyde for the benefit of war workers. These concessions will mean increased demands by the workers for toilet and photographic requisites.

At Arbroath on June 25, a lorryman named Jamieson, employed by Mr. Jas. Jack, Ph.C. and aerated-water manufacturer, was charged with embezzling 2*l.* 2*s.* 10*d.*, money received for aerated waters. The solicitor for the defence said that accused was paid 18*s.* a week wages, but was prepared to pay back the money by instalments. Sentence was deferred for three months.

Much good has resulted from recent experiments in Scotland in the serum treatment of contagious abortion in cattle; 602 animals were treated in 1915-16, of which only four animals aborted. The percentage of animals suffering from the disease has been reduced from 40 per cent. to 4½ per cent., which Sir Stewart Stockman, chief veterinary surgeon, considers excellent. The Board of Agriculture (Scotland) is sending out 1,200 doses of the serum per month, but it seems difficult to get farmers to adopt the treatment.

Edinburgh.

Mr. Peter Boa, Ph.C., has been confined to his room for two or three weeks.

The Panel Committee has sent out large bills to chemists advertising the new doctors' bureaux.

Mr. A. Gordon Laing, chemist and druggist, formerly of Juniper Green, has started business in Joppa.

Late on Saturday night (June 23) a fire occurred at the glue and gelatin works of J. & G. Cox, Gorgie Mills, Edinburgh.

To miss a train is unfortunate (runs the latest co-operative advertisement), but to miss the benefits of co-operation is a calamity.

Baillie Inman, who has been in poor health for some months, was congratulated at the City Chambers on June 26 on his reappearance in better health.

The retail prices of certain foods and proprietary articles are the source of worry and trouble at present. A short Bill to enforce the advertised price of an article as the sole retail price would simplify matters.

Some of the Governors of George Heriot's Trust desire to see more definite relations between the University and the Heriot-Watt College. At a meeting on June 25 it was stated that the two bodies competed in some instances, which means a loss of teaching power.

Glasgow.

Experiments are being carried out in Glasgow in the production of bread from potato-flour.

A memorial tablet, including a medallion portrait of the late Sir William Ramsay, K.C.B., F.R.S., is to be erected at the entrance to the Bute Hall of the University.

Colonial and Foreign News.

LACTIC ACID may now be used in Austria as a substitute for vinegar, which is unobtainable.

YOUNG CLOVER is recommended in Austria for human consumption as a substitute for spinach.

DENMARK.—The maximum price fixed in May for crystallised soda was 0.18kr. per kg., and for benzene 1kr. (A Danish krone equals 1s. 1½d.)

ALCOHOL cannot be obtained by Vienna chemists for the manufacture of medicinal compounds in larger quantities than 10 litres per week, although the requirements are two or three times as much.

PATENT MEDICINES IN COLOMBIA.—Colombia has issued a decree with the object of preventing the practice of avoiding payment of higher duties on pharmaceutical specialities and patent medicines by importing them in bulk separately from the original containers.

FOLIA SENNAE "PALTHE," offered in large quantities in the Austrian market at present as a surrogate for the official senna-leaves, have been identified by Dr. R. Wasicky as those of *Cassia auriculata*. The leaves are free of anthraquinone derivatives, and have not the slightest laxative effect.

PHARMACISTS IN HUNGARY must be magisters of the craft, which means three years' practice in a pharmacy after the collegiate training, and now they have to pass an approbation examination before starting in business for themselves. Dr. Andriska, Erzébetfalsza, is the first one to do this.

SHEEP-DIPS IN URUGUAY.—A Decree, dated March 20, has been issued regulating the testing, sale, and use of sheep-dips or remedies for scab. The Decree prohibits the importation, manufacture, and sale of all sheep-dips which have not been tested and approved by the Executive Power, on the recommendation of the National Animal Sanitary Police Office.

CHEMICAL-MANUFACTURE IN AUSTRIA.—According to the "Neue Freie Presse" there have been great developments in the Austrian chemical industry during the war. Calcium nitrate and nitric acid are new industries, founded on the utilisation of the nitrogen of the air. Sulphuric-acid plants have been extended, and new factories set up for the manufacture of benzene, toluene, glycerin, acetone, and chlorine.

PATRIOTISM IN SPECIALITIES.—An advertisement in an Italian journal urges pharmacists to nationalise all foreign proprieties. It proceeds: "Let us rid ourselves once and for all from foreign products and cease to be exploited by the foreign producers. Let us nationalise every foreign proprietary, placing against it an Italian product of similar composition and a like therapeutic value. In this way the pharmacist can contribute to Italy's renaissance."

STAMP-TAX IN ITALY.—The stamps for use on perfumery, toilet-preparations, and specialities are now on sale, and are to come into use on July 1. There are thirteen different stamps for varying value, from five centesime to three lire. The different values are in distinct colours. The tax represents 20 per cent. *ad valorem*. Foreign specialities have to be stamped on arrival, those in stock before July 1 escaping the tax.

MUNICIPAL PHARMACY.—The Commune of Milan have at last, after many threats, placed on their agenda, at the instigation of the Socialist members, a motion empowering the municipal supply of medicines for the poor and the retailing of drugs to the public. This has roused the pharmacists, who have held a meeting of protest. The proposal threatens the present standing of all pharmacies in Italy, and, even supposing such a venture were necessary, the present is neither the time nor occasion for its promulgation. It is contrary to the trend of State pharmaceutical legislation, and should require State sanction for enactment.

ALCOHOL AND GLYCERIN.—The "Drögenhändler," stated on March 22 that the sodium-sulphite lye from wood-pulp yields alcohol, and that the German Government is looking after the matter. A dozen or more factories similar to the one at Königsberg, at which the discovery was made, are to be established in different places. [Mr. C. F. Cross, in his lecture before the Royal Institution on March 2, explained how alcohol is obtained from wood.] Two glycerin substitutes for dermatological purposes are announced in the "Chemiker Zeitung," perglycerin and perkaglycerin. They are described as similar to glycerin in composition, and practically the same from a physical point of view, though without any sweet taste; colourless, perfectly neutral, and antiseptic. Perkaglycerin is preferred, being the more oily of the two and having stronger powers of water-attraction.

Legal Reports.

Unstamped Medicines.—At Leeds on June 20, Thomas Wright, trading as Mr. and Mrs. Wood, Louis Street, Leeds, was fined 10*l.*, and 5*l.* costs, for selling, unstamped, "Wood's Corrective Mixture," which was set forth in the literature which accompanied it as a cure for women's ailments.—At the same time, John Edison, Ltd., Great George Street, Leeds, was fined 3*l.*, and 1*l.* costs, for selling, unstamped "Dr. Wilson's Remedy." The defence in this case was that the woman who should have affixed the stamps had neglected her duty.

Magnesium-chloride Contract.—In the House of Lords on June 21, reserved judgment was given in the case of C. S. Wilson & Co., Ltd., v. Tennants (Lancashire), Ltd. The plaintiffs claimed damages for breach of contract to supply monthly deliveries of magnesium chloride, which was used in the manufacture of a flooring composition known as litosile. Defendants wished to cancel the contract on the outbreak of war, as the supplies from Germany ceased, but were willing to supply the remainder of the contract at an increased price. In the High Court, Mr. Justice Low decided in favour of Tennants, holding that they were entitled to suspend deliveries by reason of the shortage produced by the war consequent on the cessation of the German supplies. This decision, however, was upset in the Court of Appeal, where it was held that the appellants were liable for breach of contract in such amount of damages as might be found due on inquiry by an official referee. The House of Lords now reversed the judgment of the Court of Appeal, the Law Lords, with the exception of the Lord Chancellor, agreeing that the war had hindered delivery within the meaning of the contract, although it did not prevent delivery or make it impossible.

Curious Claim.—At Rhyl County Court on June 22, the Lancashire and Yorkshire and the London and North-Western Railway Companies and R. Graesser, Ltd., Ruabon, claimed 82*l.* from Mr. D. MacNicol, Derwas, Abergelc, and Mr. MacNicol counterclaimed for 79*l.* damages incurred owing to the railway companies delivering carbolic acid to him instead of creosote. It appears that at Abergelc station fourteen metal drums of crude carbolic acid intended for R. Graesser, Ltd., were sent to Mr. MacNicol in mistake for a consignment of creosote in twenty-five wooden casks. Mr. MacNicol, thinking it was creosote, used six of the drums of carbolic acid for preserving wood, and it was not until some time afterwards that he found out the mistake, when he returned the remaining drums to the railway company, who then delivered the twenty-five casks of creosote. Mr. MacNicol was now sued for the value of the carbolic acid. Mr. A. Jones, for defendant, said that the railway companies are seeking to shift their liability to an innocent party, and Mr. Muller, for the plaintiffs, held that the consignees should have taken reasonable care to see that they had the proper casks delivered to them. Judgment was reserved.

Sale of Food and Drugs Acts.—At Chatham on June 22, Mr. C. E. Beveridge, chemist and druggist, Chatham and Gillingham, was summoned for selling mercury ointment 49.3 per cent. deficient of mercury. Superintendent Rhodes and Mr. Arnold, the analyst, who gave evidence for the prosecution, were questioned by Mr. C. Kirby (who defended) as to the custom of the trade in selling "blue ointment." Mr. Kirby submitted that mercury ointment is a dangerous thing to sell to anybody without a doctor's prescription, much less a child (who was the purchaser in this case). Blue ointment, he said, is well known and recognised both by the trade and the public. It is used for killing parasites. It is thoroughly effective, but contains only half the amount of mercury, which makes it non-injurious to the skin. Dr. W. R. A. Jefferiss, for defendant, said full-strength mercury ointment should not be sold without a doctor's prescription. Mr. Beveridge and his manager (Mr. Hardie) also gave evidence. The Chairman, in imposing a fine of 1*l.*, said the Bench regarded the case as an error of judgment.—At Bootle, Martha Minshull was fined 40*s.*, with analyst's and witnesses' fees, for selling pudding-powders which contained 21.7 per cent. of calcium sulphate.

Bleaching-powder Dispute.—In the Court last week, before the Recorder (Sir Forrest Fulton, K.C.) and a jury, a claim was made by Mr. B. F. A. Brunt, chemical-merchant, 77 Lower Thames Street, London, E.C., against Mr. E. G. Taunt, trading as Elmer G. Taunt & Co., chemical-merchant, Wormwood Street, E.C., for 70*l.* 3*s.* 1*d.*, damages for the non-delivery of 10 tons of bleaching-powder which the defendant sold to the plaintiff and did not deliver. The defendant raised a

counterclaim for 200*l.*, damages for loss of profits arising out of other transactions with the plaintiff. Part of the counterclaim was in respect of the plaintiff not taking delivery of 75 tons of chloride of lime, and the other for breach of contract on the plaintiff's part to sell 100 tons of carbonate of soda. The plaintiff's case was that defendant refused delivery of the bleaching-powder unless plaintiff paid an extra 5*s.* per ton on the contract-price for placing a strengthening band on each cask. As the bleaching-powder had been resold to the Strand Chemical Co. at a profit of only 2*s.* 6*d.* per ton, plaintiff refused to pay the charge. Plaintiff had to pay damages to the Strand Chemical Co. in consequence of defendant's refusal to deliver the bleaching-powder. The jury found a verdict for the plaintiff on the claim for 70*l.* 3*s.* 1*d.*, and for the defendant on the counterclaim for 50*l.*

Cocaine-supply.—At Leeds on June 26, Dr. Henry Pope, Roundhay Road, was charged with supplying to George Bywood, of Bayswater Mount, a prescription for an eye-lotion, containing cocaine, in a manner contrary to the Regulation 40 (b) of the Defence of the Realm Act. Mr. Albert Rothstein, Ph.C., North Street, also was summoned for supplying the lotion on three occasions. Mr. Clifford Dunn, who prosecuted, said the doctor had not put on the prescription his full name and address, though he had signed his name; he had not added a list of his qualifications, and he had not inserted the words "Not to be repeated." Mr. Arthur Willey, defending on instructions from the Medical Defence Union and the Chemists' Defence Association, spoke of the voluminous agreements under which a panel doctor works, and said there is no difficulty in tracing a doctor who is on the panel. The reason the doctor did not add his qualifications was that it is contrary to professional etiquette, being regarded as advertisement. Mr. Rothstein, in making up the prescription, had not been aware that the regulation applied to panel patients, and had felt secure, as Bywood produced his Insurance card. The Stipendiary Magistrate said he could not see that any harm could have happened in the present case, but the defendants should make themselves acquainted with the regulation. He imposed a penalty of 10*s.* on each summons.

Alleged Breach of Contract.—On June 21, Mr. Justice Atkin continued the hearing of the case of the Associated Enterprises, Ltd., v. Brunner, Mond & Co., Ltd. (C. & D., June 23, p. 38). Sir John Simon further proceeded with his opening speech for the plaintiffs. He formulated in detail the breaches alleged, and pointed out that one of the results of the forming of the new company in China would be to make the plaintiffs partners with Price's Candle Co. against their will. It would also have the effect of disclosing to Price's Candle Co. the manufacturing methods of Gossages and Crosfields, which the defendants would not disclose even to the plaintiffs, and all the time the new company would be in competition with the plaintiffs. Lord Leverhulme gave evidence that Lever Bros. made candles as well as soap. He did not know that defendants were buying Crosfields' and Gossages' shares until after the event. He was told that Brunner, Mond & Co. had acquired control of these two businesses, and until they tried to get an interim injunction it was never suggested that the defendants had not such control. He regarded this action of defendants in buying these businesses as serious, and suggested that Levers should no longer be barred under the agreement with the defendants from going into the manufacture of alkali. On June 22 Lord Leverhulme, cross-examined by Mr. Upjohn, said it had been Levers' practice to acquire interests in other soap firms and to form new companies to acquire the goodwill, etc., where new businesses were created. The method is to hand over the assets in the particular locality to a new company and in exchange take all the shares. Up to 1916 he had formed seventy-six companies in this way. Witness said he did not know anything about "understandings" in the soap-trade or of agreements with other firms as to prices. He has never tried to stifle competition, but only to eliminate waste. He did not agree with counsel's proposition that the individual trader had to come into all these "arrangements" in order to avoid wars of prices. The individual trader had only to see to his own efficiency and he need not fear competition. The case was continued on June 25, Lord Leverhulme being further cross-examined by Mr. Upjohn, K.C., for the defendants. Mr. Upjohn asked if in this case any charge is being made against Brunner, Mond & Co. of dealing unfairly so as to commit a breach of the spirit, if not the letter, of the agreement of June 1915. Lord Leverhulme replied that it would be absurd to make charges, as none of them are "immortal," but when a firm is making an agreement which runs for a period of something like ninety years, it is necessary to see that one's interests are safeguarded. Asked if he suggested that in what they did

the defendants had any other object than to benefit the ordinary shareholders, witness said he made no suggestions against anybody, and wished to have nothing to do with the making of accusations against firms of standing in the country. Lord Leverhulme said that he still complained of the action of Brunner Mond in regard to the businesses of Crosfields and Gossages, as it was against the very spirit of the agreement of June 1915. Under this Levers were bound to take all their supplies of alkali from the defendants, and in turn Brunner Mond were debarred from "going into soap." Levers are easily the best customers of Brunner Mond for alkali. Witness said that Crosfields had been competitors of Levers for years. When he started business at Warrington, Crosfields, unfortunately for him, were nearly next door, and he was afraid they looked on him as a sort of "interloper." (Laughter.) On June 26 Lord Leverhulme was further cross-examined by Mr. Upjohn, K.C., in regard to the arrangements made from time to time with Crosfields. He said his company and Crosfields were members of a Glycerin Association, but Crosfields withdrew after a disagreement. They, however, returned at a later date. Witness said that there would always be a loss on soap but for the glycerin. Lord Leverhulme's evidence concluded on June 27, being chiefly concerned with the details of the holdings in the Associated Enterprises, Ltd.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

DOMINION EXPORT CO., LTD. (P.C.).—Capital 1,500*l.* Objects: Power is taken to carry on business as chemists and druggists. R.O., Surrey Canal, Trundley Road, Deptford, London, S.E.

BRITISH HYGIENIC SOAPS, LTD. (P.C.).—Capital 1,000*l.* Objects: To carry on business as manufacturers of and dealers in soap, oils, hair and other brushes, sponges, toilet-requisites, etc. R.O., 14 London Wall Buildings, London, E.C.

WASTE CONVERSIONS, LTD. (P.C.).—Capital 5,000*l.* Objects: To carry on business as commercial chemists, manufacturers of and dealers in caustic and other sodas and chemical products. R.O., 4 Tokenhouse Buildings, London, E.C. 2.

ECONOMIC PRODUCTS, LTD. (P.C.).—Capital 11,100*l.* Objects: To carry on business, among other things, of manufacturers and dealers in oil, glycerin, gum, glue, and chemicals. Solicitors: Bull & Bull, 3 Stone Buildings, Lincoln's Inn, London, W.C.

AGONSAIR CO., LTD. (P.C.).—Capital 250*l.* Objects: To carry on business as chemists, druggists, drysalts, opticians, oil and colour men, manufacturers of and dealers in proprietary articles, etc. The subscribers (each with one share) are A. Hagon, pharmacist, and Mrs. S. Hagon, 73 Newport Road, Cardiff.

C. S. B. ELECTRIC BLEACHING CO., LTD. (P.C.).—Capital 6,000*l.*, in 1*l.* shares. Objects: To take over from W. R. Cooke and A. E. Coleman certain patents relating to improvements in electrolytic apparatus for producing liquor for bleaching and other purposes. R.O., Croydon Road Mills, Croydon Road, Radford, Nottingham.

ZIROL CHEMICAL CO., LTD. (P.C.).—Capital 3,000*l.* Objects: To carry on business as wholesale and retail chemists, druggists, drysalts, herbalists, oil-merchants, patent-medicine dealers, etc. A dental product called "Zirol" is to be made. The first director is P. de Torton Harrison, Berkswell, chemical-manufacturer. Solicitor: C. Martin, 18 Hertford Street, Coventry.

JOHN KNIGHT, LTD., have declared an interim dividend on the ordinary shares at the rate of 6 per cent. per annum for the half-year ended May 31.

MAGADI SODA CO., LTD.—At the annual meeting held at Winchester House, E.C., on June 25, Mr. Samuel Samuel, M.P., the Chairman, in referring to the soda-markets, said it was an extraordinary fact that permits were being granted for considerable shipments of soda to India, where the soda was being sold at the equivalent of about one-third of the price that it was being sold at in the United Kingdom, while the public in the United Kingdom were unable to secure the supplies which they required. The company had now nearly completed the Calcutta works for the production of caustic soda.

PEAT is being employed in Germany as a substitute for absorbent cotton for bandages.

Births.

MATHER.—At Poona, India, on March 26, the wife of Cullen Mather (proprietor of Mather & Co., chemists and general merchants), of a daughter.

WHATMOUGH.—On June 20, the wife of W. A. Whatmough (John Tye & Son, 457 Caledonian Road, London, N.), of a son.

Marriages.

LINDSAY—WHITELAW.—At the Cowal Hotel, Dunoon, on June 12, by the Rev. R. F. Lindsay (brother of the bridegroom), assisted by Captain T. Jones, Chaplain of the Forces (B.E.F.) (brother-in-law of the bride), and the Rev. T. Ramsay, John Martin White Lindsay, pharmacist and optician, Maybole, to Emma, youngest daughter of ex-Baillie Whitelaw, Dunoon. [Corrected Notice.]

WILKINSON—PERKS.—At Stokesay Parish Church on June 7, Geo. Harold Wilkinson, only son of Mr. C. Wilkinson, partner in the Wrekin Chemical Co., Wellington (Salop), to Clara Gertrude, daughter of Mr. Perks, of the Cedars, Catshill, Bromsgrove.

Deaths.

GILL.—At 24 Park Road, Melton Mowbray, on June 17, suddenly, Mr. Jonah Gill, J.P., chemist and druggist, aged seventy. Mr. Gill had carried on business in the town for fifty-three years, and served for a long period on the Local Board and Urban Council. He was Chairman of the latter body for seven years, and at the end of that period he was made a county magistrate. He was also identified with many other public offices in Melton Mowbray.

HARRIS.—At 30 Hopkins Street, Weston-super-Mare, on June 9, Mr. Frank Vincent George Harris, chemist and druggist, aged thirty-four.

Died on Service.

ALLSOP.—Corporal E. S. Allsop, H.A.C., has been killed in action, aged twenty-three. He joined the Honourable Artillery Company two and a half years ago. He was for some years with Mr. G. S. Pasco, pharmacist, Hackney Road, London, N.E., who writes of him: "He was more than an assistant: he was my friend. He died as he lived, looking his job straight in the face and doing it."

ANDERSON.—Private T. Anderson, formerly assistant with Mr. J. W. Aspinall, chemist and druggist, Preston New Road, Blackburn, is reported to have been killed in action.

BELTHE.—At a military hospital in London, on June 25, of wounds received in France, Private Frank Belthe, R.A.M.C., on his twenty-fourth birthday. Private Belthe was the eldest son of Mr. H. Belthe, of the Castle Tablet Co., Ltd. He joined the Army in February 1915, and in May of this year was awarded the Military Medal for bravery.

CHAMBERS.—Private Frank Chambers, who enlisted from the Dartford works of Burroughs Wellcome & Co., has been killed in action.

EDWARDS.—Private James Edwards, of Glen View Road, Burnley, is the third member of the staff of Parkinson & Sons, wholesale druggists, Curzon Street, Burnley, to make the supreme sacrifice. He had been employed by the firm for over fifteen years, and was held in high esteem.

HUGHES.—Lance-Corporal Harold Hughes, Royal Welsh Fusiliers, reported to be missing and believed killed, joined the Colours two years ago while engaged as dispenser with Councillor L. B. Rowland, chemist and druggist, and Mayor of Wrexham.

INGALL.—Bombardier Alfred Leslie Ingall, Royal Field Artillery, who died at home on June 19, was the youngest son of Mr. Joseph Ingall, chemist and druggist, of High Street, Ashford (Kent). He was forty years of age, and had been ill for about two months. He enlisted in June 1915, and had seen sixteen months' service in France.

JONES.—Corporal Trevor Jones, R.A.M.C., who has died in hospital at Cairo of wounds received in action, was a chemist's assistant, and for some years was with Mr. Bertie Taylor Lloyd, chemist and druggist, of Aberystwyth. He enlisted at the outbreak of war, and had served at the Dardanelles, in Egypt, and on the Gaza Front.

KERR.—Second-Lieutenant Robert Kerr, London Regiment, who has died from wounds received in action, was the third son of Mr. John Kerr, manufacturing chemist, Mathieson Street, Glasgow.

PREBBLE.—Killed in action in France on June 21, Second-Lieutenant J. Prebble, R.F.A., elder son of Mr. J. G. Prebble, chemist, Chislehurst, aged twenty-one.

RAMSON.—Private Frederick H. Ramson, King's (Liverpool) Regiment, previously reported missing, has been killed in action. He joined the Colours at Liverpool in October 1915, previous to which he was employed in the accountancy department of the United Alkali Co., Ltd.

REYNOLDS.—Lance-Corporal A. Reynolds, Queen's Royal West Surrey Regiment, who has died of wounds received in action, enlisted in June 1916, whilst an apprentice with Mr. W. H. Fowler, Ph.C., of Redhill.

WILLIAMS.—Private Frank Williams, Manchester Regiment, who has been missing since July last, is now reported killed. He was formerly employed by the Cowpar Chemical Co., chemical agents, Mount Street and Trafford Park, Manchester.

Personalities.

SIR HENRY NORMAN, who acted as Chairman of the Select Committee on Patent Medicines, has been made an Officer of the Legion of Honour.

THE MAYOR OF BURY ST. EDMUNDS (Alderman Owen A. Clark, J.P., chemist) has been elected a director of the Bury St. Edmunds Gas Co.

MR. L. L. BACARESE, pharmacist and optician, Gibraltar, has passed the recently held Intermediate examination of the British Optical Association.

SIR EVAN JONES, BART., has been appointed Controller of the new Petrol Control Department of the Board of Trade. He retains his position as Commissioner for Dyes.

SIR CHARLES H. BEDFORD, D.Sc., has resigned his position as Secretary of the Association of British Chemical Manufacturers in order to take up important public work.

SIR JOHN RAMSDEN, BART., has given 3,000*l.* towards Huddersfield Technical College Extensions Fund, 2,000*l.* of which is to be devoted to the aniline-dye department.

PROFESSOR F. J. CHESHIRE, of the Imperial College of Science and Technology, South Kensington, has joined the Advisory Panel of the Munitions Inventions Department.

MR. J. J. MANLEY, Curator of the Daubeny Laboratory, has been elected to a Fellowship at Magdalen College, Oxford, for the prosecution of special researches in physics and chemistry.

MR. U. F. WINTOUR has been appointed Permanent Secretary to the Ministry of Food. He is best known for the organising work he did in regard to the Exhibitions at Brussels, Turin, and Ghent.

MISS F. M. HUNTER, dispenser at the City of London Poor-law Infirmary, has had her salary increased during the military occupation of the premises by 17*l.* per annum, this being a 10-per-cent. increase in her salary.

MR. LEWIS JONES, chemist and druggist, of Aberayron, has been placed on the Commission of the Peace for Cardiganshire. He is an Alderman of the County Council, and a Governor of the Aberayron Intermediate School.

The Edward Medal of the First Class has been awarded to the representatives of Dr. Andrea Angel, the chemist who lost his life on the occasion of the explosion on January 19 at the Silvertown Chemical Works (see *C. & D.*, January 27, p. 65).

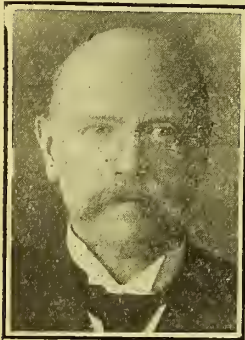
ALDERMAN LIEUTENANT-COLONEL CLIFFORD PROBYN has been granted leave of absence from the monthly meetings of the Westminster City Council owing to ill-health. He was Mayor in 1901-2, and has represented the Strand Division of Westminster on the London County Council since 1889. He is in business as a chemist at 7 Pall Mall East, London, S.W.

MR. AND MRS. J. W. CUSSONS, High East Street, Dorchester, were on the occasion of their silver wedding on June 22 presented with a silver rose-bowl and a silver sugar-dredger. The presentation was made, on behalf of the members of the Dorset County Pharmacists' Association, by Messrs. Ayre (Poole), Hancock (Weymouth), and Merrick (Dorchester). Mr. Cussons has been the Secretary to the Association since its formation, and the members took the opportunity of recognising the great services he has rendered to the Association.

We had a call this week from Mr. James Hendry, Ph.C., works-manager for A. M. Bickford & Sons, Ltd., manufacturing chemists, Adelaide, South Australia. Mr. Hendry is one of several chemists who have just arrived in this country and are devoting their chemical knowledge in the service of the Ministry of Munitions. Mr. Hendry was apprenticed to Mr. A. Henderson, Banchory, near Aberdeen,

afterwards entering the employ of Mr. J. Anderson, Dundee, Mr. T. Stephenson, F.C.S., Edinburgh, and Mr. C. Stephen, Ph.C., Dundee. After passing the Major, he was with John Bell & Croyden, Ltd., Wigmore Street, London, W., and from there five years ago went to South Australia.

MR. WILLIAM J. DODDS, who has had charge of the buying and general management of H. B. Sleeman & Co., Ltd., merchants, India House, 84 Leadenhall Street, London, E.C., for over thirty years, has been appointed managing director, and Mr. Thomas V. A. Bracher, who has managed the financial side of the business for twenty-five years, has also been appointed a director. The new board will also include other directors representing the interests of the sister and brother of the late Mr. David Shaul and of the widow and son of the late Mr. Arthur W. Blackstone. The company holds the buying agency for Kemp & Co., Ltd., wholesale druggists, Bombay, and has also other important agencies in India, the British Colonies,



MR. W. J. DODDS.

and the United States. Mr. Dodds, whose portrait we give, has had an experience of almost forty years in the drug-trade, and looks forward to maintaining the previous cordial relations with customers both at home and abroad.

MR. VICTOR E. HANNA, Ph.C., the new Councillor of the Irish Pharmaceutical Society, is a native of Limerick, where he served his apprenticeship with Mr. Joseph Stewart, Ph.C., later on becoming an assistant in the same establishment for a period of about three years. Next he moved to the Metropolis, where he studied for his examination, scoring the highest marks obtained in chemistry, and also securing the silver medal of the year at the Pharmaceutical Licence examination. In Dublin he obtained a position with Dr. J. Evans, and then, after a short time with Mr. A. Mayne, Ph.C., Cork, was appointed manager of Butler's Medical Hall, Dublin. After four years at Butler's he opened for himself, in 1908, in Lower Mount



MR. VICTOR E. HANNA.

Street, adjoining Merriam Square—the Harley Street of Dublin—and his pharmacy here is a model one. Mr. Hanna has been one of the Society's examiners in the past, and he is pharmacist to Sir Patrick Dun's Hospital. His name, however, is better known in trade circles as Hon. Secretary to the Dublin Retail Drug Association, which he has developed with remarkable energy and ability. In his spare time Mr. Hanna assists in Red Cross work.

Wills.

SECOND-LIEUTENANT CHARLES FREDERICK CARR, Sherwood Foresters, chemist and druggist, 21 Long Row, Nottingham, who died in France from wounds, left estate valued at 2,464*l.* 17*s.* 1*d.*

MR. RALPH CUTHBERT, chemist and druggist, 68 West Parade, Huddersfield, who died on April 13, left estate of the gross value of 19,455*l.* 14*s.*, of which 19,352*l.* 7*s.* 11*d.* is net personalty.

MR. JOHN PLATTS, Melton Mowbray, representative of Southall Bros. & Barclay, Ltd., Birmingham, who died at Oxford on April 23, intestate, left property of the gross value of 21,745*l.* 15*s.* 10*d.*, with net personalty 21,714*l.* 11*s.* 4*d.*

Trade Notes.

A.D.O. FLYBANE, manufactured by S. Bowley & Son, Wellington Works, Battersea Bridge, London, S.W. 11, is advertised in this issue.

THE PROPRIETORS of "Red Cross" pills, mixture, etc., are advertising their old-established business for sale by private treaty. Particulars are given in the Coloured Supplement.

MASON'S EXTRACT OF HERBS.—Newball & Mason, Nottingham, call attention to Mason's extract of herbs as a harvest drink. It is also one of the most economical thirst-quenching beverages for family use.

WINTER PRINTING.—Thomas Waide & Sons, medical printers, Leeds, urge their customers to place orders for winter printing as soon as possible. This will help the printers to deliver the work promptly—a consideration in these days.

CORRUGATED PAPER.—The Eburite Paper Co., Ltd., Amberley Road Mills, Paddington, London, W.1, are manufacturers of corrugated paper and corrugated boxes. Other specialities are the globular embossed paper and wax-papers.

LUC SYRINGE.—Allen & Hanburys, Ltd., are now making a hypodermic syringe with a quartz barrel, the advantage of which is that the syringe can be sterilised in boiling water without risk of breakage. It is called the "Luc" syringe.

"MILK OF MAGNESIA" prices are to be increased, and details are given in an announcement by the Charles H. Phillips Chemical Co. in the Coloured Supplement this week. The increased cost of freightage and material is the sole cause of this.

LUCE'S EAU DE COLOGNE.—J. C. Gambles & Co., 46 Farringdon Street, London, E.C. 4, sole distributing agents for Luce's eau de Cologne, inform us that the retail prices of this product have been increased, and are now: 1 oz., 10*s.* 6*d.*; 2 oz., 1*s.* 9*d.*; 4 oz., 3*s.* 3*d.*; 8 oz., 6*s.* 6*d.*; ½ pint, wicker, 4*s.* 9*d.*; 1 pint, wicker, 8*s.* 9*d.*. Chemists are asked to re-mark their stock in the interests of price uniformity.

SALUTARIS WATER.—The Salutaris Co., Ltd., 236 Fulham Road, London, S.W. 10, suggest that the present is a remarkable opportunity for building up a permanent trade in Salutaris Water. There are two varieties—still and sparkling Salutaris. The company also supply a pure distilled water for dispensing purposes, and will be glad to send particulars to any of our readers who desire them.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

- | | |
|---|---|
| 62/29. "Healex" for cuts and sores. | 64/68. "Cullen" safety-razor strop. |
| 63/20. "Menthoclonc." | 65/30. "Lax Sen," a confection laxative. |
| 64/31. Miniature soap-making machinery for demonstrations at exhibitions, etc.: makers. | 66/55. Sod. Sal. (Charteris). |
| 64/1. Heaton's mustard condiment. | 68/11. Anti-abortion vaccine for cattle and mares: suppliers. |
| 65/24. "Floriska" Pomade. | |

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

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|--|--|
| "Arthroids," 63/11 | Lemonade tablets, 48/58 |
| Artificial limbs, 35/46 | "Luxor," 63/12 |
| Bailey's rubber brushes, 13/62 | Metal pocket-flasks, 32/18 |
| "Balmosa," 18/23 | Microscopic stains, 25/19 |
| Binn's nit-combs, 57/40 | Poor Man's Ointment, 41/16 |
| "Bipp," 51/3 | Portable oxygen-generator, 31/13 |
| Blenosan, 31/29 | "Protosil," 19/15 |
| "Crème Simon," 32/20 | Rackham's condition-balls, 30/23 |
| Crookes' colloids, 17/50 | Smoke rockets (for drain-testing), 19/72 |
| Crutches, 32/68 | Soap-base, 5/56 |
| "Diabetol," 44/12 | Soda-fountains, 15/19 |
| "Donozor" disinfectant, 17/43 | Sodium sulphocarbonate, 45/74 |
| Dorin of Paris (London agents), 32/20 | "Sodox," 56/21 |
| Hudson's vegetable leaflets, 48/47 and 53/39 | Swift's arsenate of lead, 59/18 |
| "Inecto" hair-dye, 20/59 | Tucker's asthma-cure, 64/40 |
| "Todicin," 46/11 | "Warnol," 64/40 |
| James's (Dr.) fever-powder, 39/60 | Whale oil, 60/27 |

Observations and Reflections.

By Xrayser II.

The Influence of Heredity

is well exemplified in the career of Mr. C. A. Hill, who has not only followed in the footsteps of his father and grandfather and maintained the business so long carried on by them, but has immensely widened its sphere and staked out fresh claims for occupation by those who come hereafter. Mr. Hill's success in the various enterprises to which he has set his hand is due, as you have pointed out, to the combination of business ability inherited from his forebears and high scientific attainments. It is very rarely indeed that we see these qualities so highly developed in the same individual. The successive steps up the ladder have been taken comparatively early in life by Mr. Hill, seeing he has little more than turned into the forties. The fine record already achieved by him is an indication of what we may expect in the not distant future.

The Indictment of the Medical Boards

in the House of Commons on June 21 is not without its bearing on the question of a State Medical Service. That these Boards, composed of doctors acting for the War Office, have very often, if not habitually, appeared stupid and cruel in their action, was convincingly shown, and most of us know cases that would justify even stronger language than was used in the debate. I am not attacking the profession, but doctors are men like ourselves, apt to see things from their employers' point of view and to do what is expected of them. A State Medical Service would not be liable to the abuses that have raised so bitter a feeling all over the country against these Boards, but it would tend to all the evils of bureaucracy, to a loss of independence on the doctor's part, and to the weakening of the personal tie between him and his patient which is in many ways so valuable in its effect on both. There would, to say the least of it, be a great danger of a mechanical service, the doctor being a mere cog in the Government wheel; and it is conceivable that reasons of State might sometimes injuriously condition his action. This aspect of the question demands serious consideration.

The Obligation of the Pharmaceutical Committees

to satisfy themselves that the money contributed by them to the Official Checking Bureau is properly expended is unquestionable. The money comes out of the pockets of the pharmacists they represent, and to whom they are responsible. That the Executive Committee are satisfied is not enough; they, too, have the money in trust only, and they ought to be compelled to give an account of their stewardship. The whole business throws a somewhat lurid light on our boasted organisation. Here are the Pharmaceutical Committees to whom in the first instance the money is paid, the Executive Committee that spends it, and the Society's Council, which shares about equally with yet another body, the Local Associations Conference, in the composition of the Executive Committee; yet these various bodies are so imperfectly co-ordinated, if co-ordinated at all, that we have no means of checking their working in a matter directly affecting our pockets. Your reference to the board of directors of a public company that should refuse to render accounts is apt enough, but I am not sure that a better illustration of the situation might not be drawn from the still shadier financial operations of the gentleman with three thimbles and a pea.

Mr. H. Corbett Meyrick

is much mistaken if he thinks me an enemy of Latin, but he is equally so in supposing that most of the chemical elements derive their names from that language. In the latest list of the elements that I have at hand, which comprises eighty-three names, very nearly half of these are derived, directly or ultimately, from the Greek, very few (rather more than a dozen) are of Latin origin; the rest are from the Arabic, from some Teutonic language, or some source, not known

to me, other than Latin. Of course, a good many of the Greek names referred to have come to us in a Latin form, but they are none the less Greek derivatives; and to others of Teutonic or other origin we have given a Latin form; for instance, vanadium is from the name of a goddess in the Norse mythology, strontium from a Scottish place-name. These are only Latin by courtesy, if at all.

The Official "History of the Institute of Chemistry"

(to which you referred in your article on the chemist's title) sets the moral right of the pharmacist to call himself a chemist in as strong a light as you do, and this in spite of the fact that the writer appears to contend for the contrary. Under the heading "The Progress of Education in Chemistry" it is stated that in the University of Aberdeen, which seems to have the distinction of being the first University to establish a Chair of Chemistry, the date of this chair (1505! when Paracelsus was about fifteen years old) "has been taken as the date of the appointment of the first 'mediciner' in King's College." Not till 1839 were the duties of the Mediciner in this University restricted to the teaching of chemistry alone, when Dr. William Gregory became professor. At Edinburgh the "Chair of Chemistry and Medicine" (my italics) was established in 1713. At St. Andrews the "Chair of Chemistry" dates from 1808, but (we are told) "the tuition afforded in the subject was mainly ancillary to the usual course of medical training till 1840." At Oxford, though Willis (born 1621) was "the last of the school of iatrochemists," yet several subsequent professors practised medicine. At Cambridge the separate endowment of natural philosophy and chemistry dates only from 1783. It is clear from facts like these that we might with more truth regard modern chemistry as having grown out of the study of medicine than pharmaceutical chemistry as an inferior branch of an older science, and as such not entitling its followers to call themselves "professional chemists."

Sir Arthur Hort's Translation of Theophrastus—

your article on which makes one's mouth water—will probably be a revelation to many, even of those who are interested in the subject, of his importance in the history of botanical study. I am sorry to say that though his book of "Characters" has, in translation, been familiar to me since childhood, I know his "History of Plants" only at second-hand, by descriptions and extracts in other writers. He mentions, I believe, only about 450 plants, though something like 3,000 species are known in Greece to-day, but only part of what he wrote has come down to us. From what survives it is evident that he was in advance of his time; he notes, for instance, the difference between centripetal and centrifugal inflorescence, which does not seem to have attracted attention again until the sixteenth century; and he appears to have known more about the geographical distribution of plants than some of the early German herbalists. He influenced the botany of Western Europe in mediæval times through Isidore of Seville, who took his facts from Pliny, who borrowed from Theophrastus. Albertus Magnus was of his school, in the thirteenth century; Cesalpino in the sixteenth. The descriptions he gives of plants are said to be, for the most part, meagre, but to surpass in definiteness and actuality those we frequently find in our older herbalists, such as the somewhat mythical Apuleius Platonius and some later writers; and Mrs. Arber credits him with an attempt at a scientific classification, or at least with a consciousness of its necessity. Theophrastus seems indeed to show a characteristically Greek intelligence in dealing with plant-life.

"FLOWERS AND STARS" is the title of an article in the "Occult Review" which deals in a popular manner with Nicholas Culpeper's astrological deductions of the virtues of plants.

U.S. PHARMACISTS' CORPS.—The Philadelphia Drug Exchange is trying to obtain greater recognition of pharmacists and their duties in the military and other armed forces of the United States. Commissions for pharmacists should be granted as in the case of physicians. The War Department has been asked to create a pharmacist corps.



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Editorial Articles.

The Chemist's Title.

II.—Pharmacist.

IN the previous article we explained the reasons for taking up the question of the titles of those who act as dispensers and drug and chemical vendors, and endeavoured to show that chemists and druggists possess undoubted rights to their historic title. To prevent misunderstanding it should be stated that the Institute of Chemistry has not, so far as we are aware, taken any official action in this matter within recent years, although the question was referred to at the last annual meeting of the Institute. Sir J. J. Dobbie, the President of the Institute, said at the annual meeting in March:

No doubt, also, the fact that the name "chemist" has long been closely identified in this country, alone, I believe, of all the European countries, with an ancient and honourable craft in which chemistry finds application, is responsible for much of the confusion that exists in the public mind on the subject. But the war is proving a powerful, if stern, educator, and the public are learning so many things at present about the work of the chemist that I do not despair of seeing the day when it will be a matter of common knowledge that while all pharmacists are chemists all chemists are not pharmacists.

Immediately afterwards Dr. M. O. Forster, in moving a vote of thanks to the President for the address, said

he endorsed most cordially the proposal that some attempt should be made by the Institute, in friendly conference and by peaceful arrangement with the Pharmaceutical Society, to adjust the long-standing hardship in connection with the namelessness of chemists as professional men. In another place he had expressed the view, which he now reiterated, that at a time when every class of the community was being called upon to make sacrifices for the common welfare, and was responding so generously to the call, it would not be unreasonable to invite pharmacists, for whose training, work, and character he had nothing but respect and appreciation, to relinquish one of the three names which they enjoyed—chemist, druggist, and pharmacist—and hand it over as a free gift to the poor, nameless people who, in so far as they spent their lives in studying chemistry and widening its boundaries, were surely entitled to call themselves chemists.

Next in importance, as in appropriateness, to "Chemist and Druggist," in the list of titles we have to consider, is "Pharmacist," which was advocated in these columns something like fifty years ago, as distinctive of "Minor" men, and has now become theirs by statutory right. In some respects it is preferable to the older "Chemist and Druggist"; it expresses our peculiar function in a single word; it includes by implication both elements of the other title, and is sufficiently elastic to embrace most of the activities usually carried on in our shops, for pharmacy has from very ancient times connoted other things besides physic. But, for some reason or other, the title, when first proposed, was not received with much enthusiasm by the rank-and-file of the trade; it has won its way but slowly to general acceptance, and even yet some men, like "Jay Mack," reject it. Why is this? Partly it is due to mere conservative feeling; in some quarters it seems to smack of "swank"; and probably the guarding of their superior title by pharmaceutical chemists has had something to do with the matter. We pharmacists are a modest and long-suffering people, and a mistaken loyalty to a mistaken policy of exclusiveness has held many of us from the use of a title formerly forbidden to us. This point of modesty deserves a little amplification. It is note-

worthy that although we have a legal right to the high title of "Chemist," we have never claimed and have not usually employed it without qualification. In "Chemist and Druggist" it is qualified by the second element of the title, and when used apart from this it is generally qualified by the addition of restrictive terms, such as "Dispensing" or "Family and Dispensing"; even in our superior title, "Pharmaceutical Chemist," it is limited in signification by the adjective. This brings us back to "Pharmacist," a term still more restricted in the scientific direction, though its meaning is virtually the same. A pharmacist, of course, is one who practises pharmacy, and pharmacy consists essentially in the art of collecting, preparing, and dispensing drugs for medicinal purposes. That originally the word had a special reference to poisons is nothing against it, and the physician shares to some extent with the pharmacist the suspicion of having practised occult arts. In English "pharmacy" appears first in Chaucer, where we read that "some hadde charmes, Fermacies of herbes"—that is, medicines. Later it acquired the meaning of the administration of medicine, but in Shakespeare's time it was commonly used in the modern sense—that of "the choice, preparation, and composition of medicines." It has thus an old claim to our consideration, and it is rather curious that the earliest noted use of pharmacist occurs in Bulwer Lytton's "The Last Days of Pompeii." Pharmacy, as the name of a place in which medicines are prepared and sold, is of about the same date, being first met with in 1833. The term was doubtless kept out of use by the vogue of pharmaceutical in the sixteenth, and of pharmaceutical in the seventeenth century, and to the old popularity of these terms is due the adoption of the latter by our Society as its title and that of its superior graduates. It was first, we believe, used as an official designation by the promoters of the short-lived "General Pharmaceutical Association of Great Britain," in 1794, and naturally it was revived when the Pharmaceutical Society was founded in 1841. Pharmacist (an ugly and irregular formation) appears to be of about the same date as the preferable pharmacist. Both were forbidden to "Minor" men by the Pharmacy Act, 1868, by which some people were driven to the use of the foreign *pharmicien*, in ignorance, it may be presumed, that *pharmacia* had been in occasional use in this country for more than a hundred years. This prohibition of a use that (as we have said) had been advocated in THE CHEMIST AND DRUGGIST before the Pharmacy Act, 1868, was passed, was removed—so far as *pharmacist* is concerned—in 1908 (Poisons and Pharmacy Act), and this title is now secured by law to every qualified person in England, Scotland, and Wales. The fact that "pharmacy" is not similarly protected robs the personal title of much of its value, but, all things considered, it is perhaps the best for its purpose that has yet been devised.

In the Lions' Den.

SECTION 58 of the National Insurance Act, 1911, provides for the appointment of "an Advisory Committee for the purpose of giving the Insurance Commissioners advice and assistance in connection with the making and altering of regulations," "consisting of representatives of associations of employers and Approved Societies, of duly qualified medical practitioners who have personal experience of general practice, and of such other persons as the Commissioners may appoint, of whom two at least shall be women." The Advisory Committee, which was required to be constituted "as soon as may be" after the passing of the National Insurance Act, consisted of 159 members, and met early in 1912. The medical members numbered thirty-three, thirteen being nominated by the British Medical Association, three by the Association of Registered Medical Women, and seventeen by the Commissioners. Pharmacists' representation is not specifically mentioned in the Act (above quoted), but the Commissioners, acting under authority of the words "such other persons," appointed two pharmacists. The number of medical men on the Committee was fixed at a generous proportion, and we have recollections that in the early

stages of the discussion of the Medical Benefit regulations the British Medical Association's nominees were "called out" because the Association was not satisfied with some aspect of the draft regulations. With a view of reducing the expense of calling together such a large body of advisers—it costs about 600*l.* for each meeting—Sir Edward Cornwall, the Chairman of the National Health Insurance Joint Committee, early this year decided to reduce the number of the Committee to about thirty. The intention was to appoint a few doctors to the Committee, or alternatively to appoint a small Medical Advisory Committee. The protests of the medical profession when the first alternative was adopted were effectual in causing a reconsideration of the matter. As mentioned last week (*C. & D.*, June 23, p. 50), the plan is now being formulated of a small Medical Advisory Committee, which, according to the "British Medical Journal," is to consist of from fifteen to seventeen members, twelve being medical practitioners and "one or two pharmacists." Under the old system, the pharmacists, we imagine, were always able to depend upon a sympathetic hearing of their views from the non-medical members of the Advisory Committee, but it is difficult to see what chance the chemists' case, which must often be in opposition to the medical view, will stand under the proposed scheme. We will suppose, for example, that any proposition came before the Committee for advising the Commissioners regarding alterations in the regulations for dispensing in rural areas. The advice tendered would be that of the majority of the Committee—in this case medical men by a large preponderance—and anyone with a knowledge of the aims of panel practitioners in regard to dispensing will see that there would be very little hope of the "advice" tendered to the Commissioners being untinctured with the underlying intention of the doctors to obtain the dispensing as well as the prescribing if the opportunity occurs. We should not envy the chemist who accepted such a position. We hope, however, that the Commissioners, who have every reason to acknowledge the loyalty of pharmacists, will see that some better arrangement is devised. There should be a separate Pharmaceutical Advisory Committee to report directly to the Commissioners, or the pharmacist who is so unfortunate as to be pushed into the lions' den scheme should be required to submit his minority report to the Commissioners. The wording of the National Insurance Act does not prevent either of the alternatives we have suggested. The interests of chemists in the administration of Medical Benefit are not nearly adequately represented by the proportion suggested. On a financial basis there should be about four chemists to twelve medical men.

Muddle in Mesopotamia.

THE Report of the Commission appointed by Parliament to inquire into the Mesopotamia campaign makes melancholy reading. The daily papers are making the most of the sensations, but no printed word can convey, we should imagine, the horrors through which a remnant of the wounded Expeditionary Force has passed. Some of the evidence given is so lurid that the marvel is that any at all of the wounded retreated from Ctesiphon survived, in view of the appalling collapse of the medical arrangements. The Commission embodies in full the Report made by a Commission (consisting of Sir William Vincent, Major-General Bingley, and Mr. E. A. Ridsdale) appointed by the Government of India to proceed to Mesopotamia and to inquire into the medical arrangements. The Commission endorses the "Vincent-Bingley" Report and goes one better.

The Vincent-Bingley Commission found that there was a lamentable breakdown in medical arrangements almost from the beginning of the campaign, this being accentuated as time went on until the climax was reached after the battle of Ctesiphon. But even in the advance to Amara there was, according to the evidence given to the Indian Government Commission,

A shortage of drugs, including castor oil, Epsom salts, emetine, quinine, and supply of medical comforts.

After the battle of Ctesiphon the position was full of horrors, for "owing to the shortage of medical *personnel* many of the patients, both in the field ambulances near the battlefield and at the encampments by the river bank, did not receive proper treatment." There were only two motor ambulances for land transport, and there was a lack of properly equipped river hospital steamers. The supply of medical stores and appliances, and even of food, was in some cases insufficient. By the time the wounded, huddled together as close as they could be packed on decks, reached Basrah, they were in a deplorably filthy condition, with septic wounds, bedsores and even wounds in some cases containing maggots. The chief medical officers responsible during the early period, Colonel Hehir in Mesopotamia, and Surgeon-General Babbie in India, were not available as witnesses before the "Vincent-Bingley" Commission. But the Parliamentary Commission (whose Report is just issued) took evidence from both these officers. The conclusion they come to is that Colonel Hehir worked with zeal and, on the whole, with success, "in refreshing contrast with the administration of his successor, Surgeon-General Hathaway." Colonel Hehir suggested and obtained spine-pads, tinted glasses, mosquito-nets, soda-water, etc., and he asked for a dentist and a bacteriological expert. He took scientific measures against malaria, cabled for typhoid and smallpox vaccine and antitetanus serum. But he did not insist, as he should have done, on the absolute necessity for much larger supplies and better equipment for transport, with disastrous results later on. Sir William Babbie is also censured because he was not insistent enough in pressing on the Indian Government or the Quartermaster-General the necessity for an organised effort to modernise its out-of-date ambulance vehicles and to supply proper river hospital steamers.

"But we recognise," continues the Report, "that the shortness of his experience as Director of Medical Services when the war broke out, and the fact that he had to work in an atmosphere very unfavourable to reforming innovation, must be regarded as diminishing the weight of the censure he deserves. He is undoubtedly a man of great ability, and, having regard to all the circumstances, we desire to say that the faults of his administration were not, in our judgment, such as to prove him unfit for important responsible administrative posts."

The man who comes in for the severest condemnation is Surgeon-General H. G. Hathaway, who, although he had received reports from various subordinate medical officers and had seen for himself the appalling state of affairs, yet sent in an official report to Surgeon-General MacNecce, D.M.S. in India (who succeeded Surgeon-General Babbie, called away to Egypt), minimising the casualties and giving no inkling of the deficiencies in the medical arrangements or that anything untoward had happened. An accumulation of evidence leads the Commission to the conclusion that

"Surgeon-General Hathaway showed himself unfit for the high administrative office which he held."

The medical findings and recommendations (we are not interested in the political or military strictures) were to the effect that the medical provision for the Mesopotamia campaign was from the beginning insufficient. The deficiencies were in the provision of (a) river hospital steamers; (b) medical *personnel*; (c) river transport; (d) ambulance land transport; (e) the absence of the Medical and Supply Establishments of the 7th Division; and (f) the premature efforts to relieve Kut in consequence of the erroneous estimate of supplies in that place.

In this connection the "Account of the medical arrangements, etc., during siege of Kut-al-Amara" by Colonel Hehir is intensely interesting. It is published as an Appendix, and is made up from the Colonel's personal diaries and rough notes. The siege lasted from December 4, 1915, to April 29, 1916—147 days. The record is a simple human document telling officially and without embellishment the state of affairs in the besieged garrison, and giving minute statistics and details regarding the health of the officers and men. Our principal interest centres in the Colonel's notes on "Supply of Drugs, Dressings, etc." From these notes we gather that "No. 9 Advanced Depot of Medical Stores," which was

ordered up as soon as Kut was captured by us, was able to provide medicines, surgical dressings, and disinfectants throughout the siege, helped by the aeroplanes. In the beginning of December 1915 they had a large supply of formalin and fly-paper in stock, "which were invaluable against the fly pest that occurred in April." By the latter month there was a decided shortage of most drugs, but the dressings lasted well throughout the siege. The universal prevalence of diarrhoea and gastrointestinal disorders led to an early exhaustion of astringents, while "fevers" and malarial relapses drained the diaphoretics. After the aeroplane service started they were almost always able to get the drugs and dressings more urgently required. They often had to fall back on their own resources, however, and in February 1916 they urgently needed calcium chloride for the treatment of scurvy. They "had abundance of HCl (used with potassium chlorate for chlorinating water), and they got some lime from the D.E.C." Nearly 2 lb. of this home-made calcium chloride was issued daily for 2½ months. The most-used astringent was Dover's powder, "which we manufactured from opium, ipecacuanha powder, and bicarbonate of soda." Castor oil was got from the Flying Corps, Epsom salts from the Veterinary Section; cotton-wool was bought from the bazaars, cleaned, teased, sterilised, and used for septic surgical cases. Calico and other cloths were bought to use as bandages. By aeroplane the garrison received large supplies of astringents (e.g., 20,000 lead-and-opium pills, 12,000 Dover's powder tablets), phenacetin, sodium salicylate, antitetanic serum, various surgical dressings, large drainage-tubes, etc. "The manner in which the drugs and dressings lasted out," says Colonel Hehir, "was the most satisfactory part of the medical organisation of the siege."

Coming to "medical comforts," Colonel Hehir reports that on January 30, 1916, they had in stock, among other things, fifteen bottles of Benger's Food, eleven bottles of Mellin's Food, and eighteen bottles of Rose's Lime-juice Cordial. On March 23 they secured for the hospitals 1 lb. Benger's Food and 6 lb. Horlick's Malted Milk. On April 2, 4½ lb. of saccharin was dropped by aeroplane, half of which was given to hospitals. It appears that on December 29, 1915, there was 48 lb. of Bovril in stock, but this was eventually consumed. After the garrison was put on horseflesh the urgent need for green vegetables soon became apparent, as the supply in the bazaars was exhausted by February. From about the middle of March all units used the green herbs obtainable on the plain. The chief of these were wild mustard, a species of clover, mint, wild carrots, a small kind of thistle, dandelion, and plantain. As some poisonous plants were growing among the herbs, samples of the edible and poisonous varieties were collected and placed in all headquarters offices for comparison. About the middle of February they wired for 7 lb. of saccharin, and about 5 lb. was dropped on April 2. As some men were suffering acutely from the pangs of hunger, 2 lb. of opium was secured by aeroplane, and 14,000 one-grain pills given by medical officers of corps units for issue to suitable cases. The sanitary arrangements and methods of supplying water to the billeted troops are also described in detail in this interesting Appendix. It shows that Colonel Hehir and his staff were men of resource and of scientific ideas, in any case, and the incident is the only purple patch in this deplorable affair. It would be interesting to know how many pharmacists were in the Kut garrison. Some day perhaps we shall learn something of the part our brother craftsmen played in bringing back health, relief, and comfort to the sufferers in this tragic episode of the war.

The Future of the Insurance Acts.

THE first part of an interim report of the policy of the British Medical Association as regards national health insurance is printed in the "British Medical Journal." It is issued so that the matters dealt with can be considered by members of the Association and then discussed at the annual meeting on July 26 and 27. It is intended to give at the end of the report a series of questions, the answers to which will be the basis of the

demands of the medical profession in any future changes that may be proposed in the system of national health insurance. The report deals, among other subjects, with the separation of prescribing and dispensing, which, it is stated, is probably to the general advantage in ordinary circumstances and commends itself to the great majority of urban practitioners. The report continues:

In any area, however, urban or rural, in which the supply of pharmacies is insufficient or unsatisfactory, practitioners might be allowed, at least as a temporary measure, to dispense for their own patients if they wish to do so. The question as to whether such an insufficiency exists should be determined by the Insurance Committee for the area after hearing the Panel Committee and the Pharmaceutical Committee on the matter, and distance of the insured person's house from a pharmacy should not be the sole criterion by which this is determined. Where dispensing and prescribing are separated it is necessary to guard against—

- (i.) Parsimony in prescribing, to the detriment of the patient.
- (ii.) Extravagance in prescribing by practitioners generally, to the detriment of the community; or by certain practitioners, to the detriment also of their fellows.
- (iii.) Careless or wilfully inaccurate dispensing or the supply of drugs of an inferior quality.

The first is safeguarded by the facts that it is to the financial as well as the professional interest of the practitioner to get his patient well as soon as possible, and that the patient has an opportunity of changing to another practitioner if dissatisfied; if this opportunity were afforded more than once a year this consideration would be of greater value. The second matter is probably adequately provided for by the arrangements now made or being perfected under the present system. Indeed, in most areas extravagant prescribing has been reduced to such small dimensions that the time and labour and money spent upon the scrutiny of prescriptions and the compiling of statistics about them are probably in excess of the value of the results. It is desirable in this connection that the profession should consider once more the question of making the cost of drugs and authorised appliances a first charge on the Medical Benefit Fund (the practitioners taking the whole of the residue), provided that the Panel Committee were the adjudicating authority with regard to extravagance, an appeal being allowed to the Commissioners only. To guard against the third of the above-mentioned risks, it is desirable that analyses of medicines supplied to insured persons by pharmacists should be made periodically by the proper authority.

It is not thought desirable to add to the list of appliances, but it is suggested that a system might be considered whereby nursing appliances might be lent out on payment of a deposit, to be refunded if the article were returned in good condition.

French Export-tax on Chemicals.

In our issue of January 27 (p. 101) we gave particulars of the heavy taxes which the French Government had imposed on the exportation of some of the leading chemical and pharmaceutical products when shipped under licence, like aspirin, phenazone, hypnal, pyramidon, salol, salicylates, methyl salicylate, etc. The tax on phenazone and pyramidon, for instance, was fixed at 60f. per kilo, and aspirin 25f. per kilo., and the effect has been that during the intervening six months very small quantities of these and similar products had been imported from France. Now it appears that the whole of these export taxes have been abolished by a French decree dated June 6. It is therefore hoped that the more important French makers of pharmaceuticals, whose products are held in high esteem in this country, will resume their former business relations on a more extended scale.

THE BAYER CO. in the United States has begun an action against the United Drug Co. for alleged infringement of the trade-mark "Aspirin."

THE GOVERNORS of St. George's Hospital, London, W., have now definitely decided not to consider further the question of the sale of the site of the hospital.

DR. WINSLOW ANDERSON, who was for many years editor of the "Pacific Medical Journal," has just died in New York. He was, states the "Lancet," originally interested especially in pharmaceutical chemistry.

Pharmaceutical Society of Great Britain.

North British Branch.

A MEETING of the Executive was held at 36 York Place, Edinburgh, on June 20. Mr. William Giles in the chair. There were present Messrs. Cowie, W. L. Currie, Drummond, Fisher, Forbes, Giles, Glass, Guthrie, McKenzie, McMillan, Marshall, Nesbit, Storrar, and Thomson. It was intimated that a reply had been received from Mrs. Doig, through Mr. John L. Doig, thanking the Executive for their letter of sympathy. The CHAIRMAN referred in appreciative and sympathetic terms to the death of Mr. Peter MacEwan, late Editor of THE CHEMIST AND DRUGGIST, and formerly Secretary in Scotland to the North British Branch of the Pharmaceutical Society. He moved that they record in the minutes an expression of their appreciation and sense of loss, and of sympathy with his widow and family. This was seconded by Mr. W. L. CURRIE, supported by Messrs. DRUMMOND and THOMSON, and unanimously agreed to. The Chairman also referred to the death of Mr. William J. Sanderson, formerly Divisional Secretary at Peebles.

ANNUAL MEETING.

The annual general meeting of the members of the Society residing in Scotland was held immediately thereafter, Mr. William Giles (Vice-Chairman) presiding (Mr. David Gilmour, who should have presided, had missed his train, and could not arrive in time). MR. RUTHERFORD HILL read an abstract of the Chairman's statement. The longest paragraph dealt with Military Service, upon which question the Pharmaceutical Committees and Insurance Committees had been successful, on the whole, in making adjustments with Military Representatives and Tribunals. The number of men released for Naval and Military Service was so considerable that any further reduction would be seriously detrimental to the efficiency of pharmaceutical service. The importance of the recent decision in London as to one-man businesses had an intimate bearing on many cases of retail pharmacists (see *C. & D.*, June 9, p. 34). It had also been necessary to take strong action to make plain why pharmacists could not comply with a conditional exemption which insisted on their joining the Volunteer Force. In a few instances pharmacies had been closed and others would very shortly be closed. The Society could not intervene in such cases on the ground of hardship, but was limited to the one point as to whether any pharmacy is indispensable for the needs of the population. Every endeavour had been made to secure full and fair consideration. It had been suggested that local pharmacists might consider whether some relief could be given to men compulsorily called away and whose pharmacies had to be closed. The Executive had resolved to adhere to the policy of considering each case on its merits and in relation to the needs of the locality. Any proposal to cut down the number of pharmacies on a basis of population was deemed impracticable. It has been necessary to make it perfectly clear to the Military Representatives and Tribunals that no pharmacy can be lawfully kept open without having in charge a fully qualified chemist whose certificate of qualification is conspicuously exhibited in the pharmacy. The better recognition of the qualified pharmacist in the R.A.M.C., the necessity of keeping in touch with Local Authorities and obtaining representation on any Committees established for the consideration of institutional treatment and the supply of medicines for venereal diseases, and the desirableness of watching closely the projected scheme for a Ministry of Public Health were other points in the address. In regard to proposals for the reorganisation of pharmaceutical education, the Council already have this matter in hand, and the Board of Examiners for Scotland has made suggestions to the Council. The address closed with a reference to the deaths that had occurred during the year—namely, William Doig, Dundee; George Duncan Mackay, Edinburgh; Peter MacEwan, London; and William John Sanderson, Peebles.

ELECTION OF EXECUTIVE.

It was reported that 1,016 letters and postcards had been issued to members residing in Scotland, and of the replies which had been received 99.63 per cent. expressed approval of the proposal to re-elect the Executive without a ballot. The scrutineers therefore reported that the following had been duly approved as members of the Executive for the ensuing year: Messrs. W. B. Cowie, A. Currie, R. G. Drummond, J. H. Fisher, J. J. Forbes, J. A. Forret, W. Giles, D. Gilmour, W. S. Glass, J. Jack, T. McKenzie,

A. McMillan, R. Marshall, J. Nesbit, D. Storrar, J. H. Thomson, and W. P. Wilson. The CHAIRMAN then declared these members, together with the President of the Society (Mr. Edmund White), the Vice-President (Mr. E. T. Neathercoat), and Messrs. W. L. Currie (Glasgow) and Thomas Guthrie (Clydebank), as *ex officio* members, will constitute the Executive for the year 1917-18. A vote of thanks was given to the Chairman on the proposition of Mr. W. S. GLASS.

EXECUTIVE MEETING.

A meeting of the Executive was held later, when Mr. David Gilmour occupied the chair. Mr. Gilmour and Mr. Wm. Giles were re-elected Chairman and Vice-Chairman respectively, and the various Committees were re-elected. The other matters dealt with were connected with the National Insurance Acts and Military Service. The need for ample representation of pharmacists on the Advisory Committee was mentioned, and in connection with Military Service it was stated that one Pharmaceutical Committee had refused to exercise its functions under the Military Service Acts Regulations on the ground that to carry out such functions would be an invidious task. The Pharmaceutical Committee had not realised that it was a statutory duty which allowed no discretion to refuse to carry it out. The Pharmaceutical Council is to be communicated with in regard to the unsatisfactory treatment of qualified dispensers in the R.A.M.C. In regard to the representation of pharmacy on Health Committees, Mr. CURRIE suggested that a communication should be sent to all Local Associations and to all Divisional Secretaries in Scotland asking them to give this matter their close attention with a view to seeking representation wherever that was thought advisable, and this was agreed to. The position in regard to sugar, glycerin, and alcohol was also referred to, and the suggestion of a deputation to Lord Rhondda was mentioned by Mr. GUTHRIE.

Association Affairs.

Cardiff.—The Cardiff Pharmacists' Association met at the Angel Hotel on June 25, Mr. Furnival (President) in the chair. The rules of the South Wales Federation were discussed, and it was resolved to pay the first year's subscription of 2s. 6d. per member from the funds of the Association. Messrs. Furnival and Hagon were appointed delegates to the Federation. Mr. A. J. Harris, the Assistant Secretary, having joined the R.A.M.C., Mr. G. Edwards was elected to *act pro tem*.

Edinburgh.—The third Botanical Excursion of the summer session of the Edinburgh Chemists', Assistants', and Apprentices' Association took place on June 20, when upwards of thirty members, under the leadership of Mr. W. Lockerbie Thomson, B.Sc., travelled from Caledonian Station to Barnton at 8 p.m. Under favourable conditions and with expectations of a highly successful excursion, they proceeded to the banks of the Almond River near Cramond, when an unfortunate break in the weather and heavy rain compelled a return to Barnton Station. Despite this unwelcome interruption, a considerable amount of excellent field work was done. On the motion of Mr. J. Adamson (President), a cordial vote of thanks was awarded to Mr. Thomson.

Hull.—A meeting of the Hull Pharmacists' Association was held on June 20 at the Metropole, West Street, Mr. L. S. Selle (the President) in the chair. In pursuance of a new policy the President has arranged for a series of addresses partly by outsiders, and Mr. S. J. Gower, the President of the Chamber of Trade, attended, and spoke on *Trade and Organisation*. He spoke of the necessity of organisation and the importance of the distributing trades. He referred also to the after-war problems that will have to be faced. A vote of thanks was given to Mr. Gower.

London (E.).—The West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists met at Earham Hall, Forest Gate, on June 21, Mr. F. W. Gwinn (President) in the chair, when Messrs. Gwinn and Kirkpatrick were appointed delegates to the British Pharmaceutical Conference. Mr. Wolff then gave an interesting address on *Salesmanship*. "What's wrong with pharmacy?" is a very common question, and the correct answer is, *Salesmanship* has never been properly studied by the pharmacist, who is therefore entirely to blame. The latter has a monopoly in dealing with poisons and dispensing, and has a shop resembling a gold-mine, in that the more you did the more you got. Suggestion is often an unconscious factor—but capable of cultivating—in producing

supplementary sales. It is too much overlooked, and is a method of greatly increasing the turnover of a business without any additional increase in the working expenses. Scientific suggestive salesmanship might be well studied in a hosier's shop, where silent suggestions in the form of goods shown on the counter are impressed on the mind of the customer, who in nearly every case buys more than he intended when he entered the shop. In Mr. Wolff's opinion, it is a waste of time and risks losing the confidence of the customer to try to sell a different article from what the customer wants, and it is wiser to suggest an extra sale bearing on the goods asked for rather than attempt substitution, which should always be avoided. In selling hair-brushes, Mr. Wolff found it a good idea to arrange a number of these according to their prices in front of the customer and watch which one the latter picked up, which gave an indication of the price the customer was prepared to pay. Too often the chance of selling a comb with a brush is lost, which is more or less due to the fact that chemists think too much in small amounts, and are not prepared as they should be for bigger sales. The *facia* is very important, but more important still is service inside the shop, and it is always best to take back an article if the customer considers it unsatisfactory. The first impression of shop and salesman is very important from the customer's point of view, and politeness the *sine qua non* of a good salesman. Messrs. Potter, Rundle, Lloyd, and Matthews discussed the address, and a hearty vote of thanks was accorded to Mr. Wolff, who acknowledged it, and added that the Venereal Disease Act was the thin edge of the wedge towards State interference with the chemist's business, and that State Insurance dispensaries were almost bound to come. It is a pharmacist's duty to apply himself hard to business in view of the fact that there may be State control over profits on certain articles in the near future or after the war.

London (S.W.).—The annual meeting of the South-West London Pharmacists' Association was held on June 19. The balance-sheet showed a deficit on the profit-and-loss account. The membership numbers 164, an increase of 40 on the year. The officers were re-elected with the following exceptions: Mr. Monaghan was elected to the Council in place of Mr. Freke, resigned; Mr. J. Humphry was appointed delegate to the Pharmaceutical Committee *vice* Mr. Breese, and also to the County Executive, taking the place of Mr. Barratt. Miss Borrowman was appointed ward officer—probably the first instance of a lady taking office in an Association of Pharmacists run by men.

"Script" Sports Club.—The semi-final matches of the Singles Championship at bowls were played on June 20 and 21. On June 20 Mr. J. F. Kingzett (S.W.) met Mr. J. M. James (W.) at Ravenscourt Park, and Mr. James ran out an easy winner by 22 points to 5. On June 21 Mr. G. M. Wilson (E.) met Mr. W. Burgess Dow (N.) at Wood Green. It was a close game, and finished with Mr. Dow as winner by 21 points to 16. Mr. James (W.) and Mr. Dow (N.) now meet in the final to decide the championship.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Birmingham.—The Pharmaceutical Committee met on June 22, when the Secretary announced that the Commissioners had extended the Committee's term of office for another year. Councillor J. Poole and Messrs. F. Barlow and C. Thompson were re-elected as the Pharmaceutical Service Sub-Committee. The Central Checking Bureau's report for January and February recorded a very satisfactory standard of accuracy in the prescription-pricing. At a meeting of the Insurance Committee held last week, it was reported that sixty-four panel doctors, who had 10,000 persons on their lists, are on military service. To release more medical men a Central Surgery is to be set up at 277 Monument Road, where 8,000 insured persons are to be treated by Dr. S. Southall (son of Mr. Alfred Southall, F.C.S.) and others. A whole-time practitioner (Dr. Vincent Jones) will attend, and he will be assisted by several other medical men, with the further help of residents from the Ladywood Branch of the Birmingham General Dispensary. It is not proposed to open the place on Wednesday evenings and Sundays.

London.—The Insurance Committee met at the County Hall, Spring Gardens, on June 28, when the Finance Sub-Committee reported that the Commissioners have made a

grant to the Committee of 2,000*l.* for the year 1916; and the same sum for 1917, towards the cost of prescription-pricing. For 1916 the additional fee of 0.3*d.* per prescription has been paid to chemists, the total amounting to 5,433*l.* 4*s.* 7*d.* The Medical Benefit Sub-Committee's statement showed that there are on the panel 703 chemists in business, 37 in institutions, and 24 other contractors—total, 764. Mr. W. J. Uglov Woolcock gave notice of the following motion: "That in view of the letter received by the Chairman of the Committee from Sir Edwin Cornwall, M.P., the Minister responsible to Parliament in this matter, the Committee hereby resolve, subject to the concurrence of the Finance Sub-Committee, to revert to the practice of carrying out the provision of Section 33 (2) of the National Insurance Act, 1913, relating to the payment out of moneys available for the provision of Medical Benefit of the administrative expenses of the Local Medical and Pharmaceutical Committees."

Sheffield.—The Pharmaceutical Committee met at the Insurance offices on June 22, Mr. H. G. Williams presiding. The Secretary reported that the local Press will not insert an appeal for the earlier presentation of prescriptions, but the Insurance Committee are asking the tramway authority to exhibit a notice on the cars on behalf of doctors and chemists. Mr. Wm. Beaulah has resigned his seat through ill-health, and Mr. T. W. Hodges was co-opted to the vacant position. The Committee are to retain office for another year. Delay in checking prescriptions has been caused by the Commissioners insisting on all statistics being completed before the scripts are handed over for checking. As the Panel Committee wish B.P. liniments to be dispensed unless otherwise ordered, it was agreed that the Pricing Bureau should allow the proper price for these. The Panel Committee is to be asked for definite instructions regarding lin. alb. A meeting of panel chemists is to be called for July 4, after the meeting of the local Society. The account of the Central Pricing Bureau for 1917 was 68*l.* 12*s.*, less 10*l.* 6*s.* 8*d.* balance on the 1916 account.

Staffordshire.—The Pharmaceutical Committee met at Stafford on June 21, when reports from the Checking Bureau were received. Complaint was made of the delay in the settlement of accounts, and it was decided to press for the payment on account to be made in accordance with the agreement. Arrangements are to be made for a general meeting of chemists to be held in the southern part of the county at an early date.

Wiltshire.—The Pharmaceutical Committee met at the Town Hall, Trowbridge, on June 13, Mr. E. J. Hughes in the chair. Circular I.C.L. 198 was discussed, and the Committee decided to continue in office for another year. A discussion took place on methylated liniments, and it was resolved to inform the Insurance Committee that B.P. liniments will be dispensed and charged for unless prescriptions are specially marked "Meth." It was also decided to send to the Insurance Committee a letter of appreciation of the services rendered by the Clerk in the matter of recruiting of chemists.

SCOTLAND.

Stirling.—The Insurance Committee has lodged a strong protest that medicins for domiciliary treatment of tuberculosis should have to be paid out of the 7*s.* maximum allowance per week for all medical treatment. This necessitates patients being curtailed of nourishment or causes them to pay for their own medicines. The Committee suggests to the Insurance Commissioners that the maximum allowance be increased to 9*s.* per week if medicines are to be deducted.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

WAR BREAD.

The Food Controller announces that no trustworthy evidence has been adduced to the effect that the prevalence of digestive pains and nettle-rash in various districts is attributable either to the quality of the war bread or to the admixture of maize with wheat flour.

SULPHATE OF COPPER.

The Minister of Munitions informed Mr. Walter Roch, M.P., on June 27, that no restriction is placed on the manufacture of sulphate of copper, and therefore no permission to manufacture is required. Certain essential materials for the manufacture of sulphate of copper require licences. As far as he is aware, in no case has any such licence been refused.

DISPENSERS AND WAR BONUS.

Mr. A. Byrne, M.P., on June 26, asked the Under-Secretary of State for War if he will make arrangements so that

the civilian dispensers and assistant dispensers in military hospitals in Ireland will be paid the war bonus awarded to civil servants, and if he will see that they be placed on a level with men similarly employed in Great Britain.

Mr. Forster replied that the instructions were issued on June 20.

PRODUCTION OF SPIRITS.

Mr. Bonar Law supplied the following information as to the stock, production, and distribution of home-made spirits for the year ended March 31. The quantity in warehouse on March 31, 1916, was 140,936,120 proof gals., and 51,644,485 proof gals. was distilled in 1916-17, making a total of 192,580,605 gals. The distribution in proof gallons was as follows: Potable spirits retained for home consumption, 18,796,287; exported, 8,575,153; used for fortifying wines, for ships' stores, etc., 694,665; used in arts and manufactures, 13,410,868; methylated, 8,538,292; deficiencies allowed, etc., 4,815,749—a total of 54,831,014 proof gals. The balance in warehouse on March 31, 1917, was 137,749,591 proof gals.

COMPANIES (PARTICULARS AS TO DIRECTORS) BILL.

This Bill was considered in Committee on June 22. The Solicitor-General (Sir Gordon Hewart) moved an amendment to Clause 1 (see *C. & D.*, May 26, p. 39), the object of which is to extend the obligation to disclose particulars as to the directors of companies incorporated outside the United Kingdom. If the Bill is not made to apply to companies outside the United Kingdom, he said, there is obviously some risk that companies might be registered in Guernsey or elsewhere by persons seeking to avoid the disclosure required by the Registration of Business Names Act and by this Bill. Verbal amendments were also made in Clauses 2 and 3. The Bill was then read a third time and passed.

POTATO BLIGHT.

In the House of Commons on June 21, Sir T. W. Russell, replying to Mr. Dillon, said that potato blight had appeared within the last few days in some districts in Ireland. The districts affected are King's County, Waterford, Kerry, and Galway. Wet weather would make the outbreak serious. The country is this year better equipped for dealing with this disease than it ever was before. In addition to the spraying-machines already in use, 10,400 hand-sprayers have this year been secured for Ireland, and 500 horse-sprayers have also been added to the stock previously existing. Six thousand tons of copper sulphate, with an equivalent amount of soda crystals, has been got into the country, and an adequate quantity of materials for the treatment of the entire crop can be obtained at once. The great difficulty, however, has been to get the farmers to order their supplies in advance.

POSTAL ARRANGEMENTS WITH AMERICA.

On June 21 Sir Edward Parrott asked the Postmaster-General whether, in view of the fact that the United States of America is now our Ally, he will remove the restrictions on the posting of newspapers, books, and magazines to that country, and arrange, in respect to such posted printed matter, to place the United States in the same category as other Allied countries.—Mr. Macpherson, in reply, said the question presumably refers to the restrictions imposed by the Defence of the Realm Regulation 24 (b). That Regulation ceased to apply to the despatch of newspapers, etc., to the United States of America when the United States ceased to be neutral. Printed matter addressed to the United States is now subject only to the censorship to which all postal packets for the North American continent are liable. It is not possible to exempt from the scrutiny of the censors one particular class of postal matter.

GERMAN-MADE FEEDING-CUPS.

Mr. R. Gwynne, on June 21, asked the Under-Secretary of State for War whether his attention has been called to the fact that many of the feeding-cups sent by the Red Cross Society for use in Voluntary Aid Detachment hospitals are of German manufacture, and that attached to some of them is a label bearing the words "Krankenbecher, 665, weiss"; whether he is aware that this is the German for feeding-cups, white; and whether he can take steps to see that money subscribed to the Red Cross does not go to Germany at the present time, directly or indirectly.—Mr. Macpherson, in reply, said he had been in communication with the Joint War Committee of the British Red Cross Society and the Order of St. John. On the assumption that these cups came from the Society, they point out that at the beginning of the war, owing to the abnormal demand, they had to secure all available stocks of enamelware. The stocks were bought from English firms, but as little or no enamelware of this nature is made in England the original source of supply was no doubt in most cases foreign. The suggestion that money subscribed to the British Red Cross is going to Germany is incorrect.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, June 28, 5.30 p.m.

With the end of the half-year and stocktaking operations business has perceptibly slackened off, but a fair amount of price-movements have taken place, chiefly in the direction of higher rates. Japanese Monopoly camphor has sharply advanced in sympathy with higher freights and insurance, and refined has been in better demand. Cubebs and calumba have been sold at much dearer prices owing to scarcity. True Bombay cannabis indica is unobtainable, and the stocks of oleum have been cleared. Balsam Peru has changed hands at a further advance; tolu is firm and copaiba scarce. Liquorice-juice block and stick are dearer. Sudan gum acacia has again advanced, but there are still ample stocks on the spot in spite of enemy action. Glucose is lower owing to its restricted use. Stocks of Turkey opium are practically exhausted. In essential oils, the advance in peppermint oil in America has not been fully reflected on this market, and there is little demand owing to the depression in the confectionery trade. Clove oil is very firm, and a further rise in the spice has taken place this week. Sandalwood, too, is firm and unaltered. French lavender and rosemary are higher in some directions. Among chemicals, cream of tartar is still scarce and 5s. higher; both citric and tartaric acids are on the easier side. Bromides are firm and unaltered. Resorcin is lower owing to the advent of a new English maker. Hexamine is quiet and easier. Milk-sugar dearer.

Higher	Firmer	Easier	Lower
Balsam Peru	Cassia oil	Citric acid	Glucose
Calumba	Cocaine	Hexamine	Honey
Clove	Cod-liver oil	Tartaric acid	Resorcin
Cubebs	(Norw.)		
Gamboge	Cream of		
Guaiacum	tartar		
Gum acacia	Milk-sugar		
(Sudan sorts)			
Liquorice-juice,			
block and			
sticks			
Shellac			
Uva-ursi leaves			
Wild-cherry			
bark			

Cablegram.

NEW YORK, June 28.—Trading is mostly routine in drugs and chemicals. Peppermint oil in tins has advanced a further 35c. per lb. to \$2.70. Cascara sagrada is firm at 12½c., and copaiba is steady at 90c. Bismuth subgallate has advanced to \$3.25, and menthol is steady at \$3.15 per lb.

AGAR-AGAR.—Strip is quiet on the spot at 2s. 1d. per lb. for No. 1 Kobe.

ALBUMEN.—Although large stocks exist on the spot, with importers and dealers overloaded with supplies, the exportation to all destinations, including the Allies, is still prohibited. The nominal quotation for prime hen is 3s. per lb., and a few ready sellers would meet the market. At auction on June 25, 275 cases hen offered, and 53 sold at 2s. 1½d. for prime and 2s. 5d. to 2s. 9d. for inferior and siftings; of 118 cases duck albumen 24 cases sold, comprising siftings at 2s. 6½d. and seconds at 2s. 3½d. About 476 tons egg-yolk were also offered, partly "in prize" and partly without reserve with all faults. The sales included 572 cases

dried egg-yolk at 7½d. to 11d., 75 cases soluble ditto at 10d., 20 casks salted liquid ditto at 26s. per cwt., 200 cases egg-powder at 6d. to 7d., and 20 casks liquid egg-yolk at 19s. per cwt.

ALMOND OIL is firm at from 2s. 8d. to 2s. 9d. per lb. for B.P. sweet, and for essential s.a.p. from 48s. to 50s. net is quoted, as to seller. Apricot or peach kernel oil is 1s. 4d. net.

ASPIRIN.—The position is unchanged, with sellers of B.P. quality at 14s. per lb.

BENZOATES.—Arrangements are being made to manufacture both benzoic acid and benzoate of soda in this country, and the products are expected to be on the market in a few weeks. Buyers should therefore act cautiously in increasing their present stocks.

BROMIDES are unchanged, with potash offering at 5s. 9d. to 6s. and crystals at 6s. 3d.; ammonium is 4s. to 4s. 3d., and sodium 2s. 8d. to 2s. 9d. per lb. net.

CAJUPUT OIL.—Java of fair quality is available at 4s. per lb. on the spot.

CAMPHOR (MONOPOLY).—The price of Japanese Monopoly camphor has officially been advanced by 12s. per cwt. for "B" and 10s. per cwt. for "B B" description, which respectively makes the prices 192s. and 200s. per cwt. e.i.f. London for July to September shipment. It is said that the advance, which is the third since the war, is due more to the increased freights and insurance than to any desire on the part of the Japanese Government to obtain more revenue from the Monopoly.

CAMPHOR (REFINED) is firm, the sales including 200 cases Japanese slabs for July-August shipment at 3s. per lb. c.i.f. Marseilles. In the drug-auction 18 cases of Japanese slabs (in prize) were bought in at 3s. 3d. per lb.

CARAMEL.—The use of caramel in the brewing-industry has been temporarily suspended except under licence, but its use for pharmaceutical purposes or in the manufacture of sauces, pickles, etc., is not interfered with. Prices remain high in view of the increased cost of raw material, fuel, labour, and especially packages.

CHAMOMILES.—Sales of French have been made at 330s. per cwt. on the spot for creamy brown, but a much higher figure is now asked.

CHLORAL HYDRATE is quoted at from 7s. 10d. to 8s. per lb. in bond.

CINCHONA.—At the bark-tender held at Amsterdam on June 13, the quinine-makers took over the equivalent of about 61,807 kilos, quinine sulphate. In the London drug-auction 120 bags of Calisaya were bought in at from 1s. 6d. per lb. for quill and 2s. 2d. to 2s. 4d. for flat.

CLOVE OIL is firm at from 7s. 4d. to 7s. 6d. per lb. for English distilled as to quantity.

CLOVES are dearer, with spot sales of fair Zanzibar at from 10½d. to 11½d., closing with sellers at 11½d.; sales for delivery include August-October at 11½d. to 11¾d.

COCAINE is rather dearer again, with a good demand, principally for export. The makers appear to be sold out for the next two months.

COD-LIVER OIL has been inquired for, and values are firmer, last year's Norwegian medicinal oil being quoted at 425s. per barrel net on spot, and non-freezing Newfoundland oil at 15s. 6d. per gal. net.

Our Bergen correspondent writes on June 11 that the last report from the cod-fishing centres gives the following totals up to June 10:

	1914	1915	1916	1917
Catch of cod (millions) ...	79.8	63.8	48.6	24.8
Yield of c.l.o. (hect.) ...	55,700	50,500	56,500	34,100
Liver for "raw" oils (hect.) ...	10,800	8,300	5,100	4,875

There is no business to be reported.

COPAIBA continues scarce and unchanged at 5s. per lb. for B.P.; filtered Para is a trifle easier at 3s. 4d., and unfiltered Maranhão is 5s. 2d. in casks and 5s. 6d. in cases. Canada is 4s. 6d. net in cases.

CREAM OF TARTAR is very scarce and rather dearer at 245s. per cwt. on the spot.

ELEMIL.—The first-hand stocks have been cleared, with sales of fair white at 60s. per cwt., being dearer.

FORMALDEHYDE.—Parels which are offered below market values are being quickly absorbed, as the demand still remains brisk.

GAMBIER.—Some good pale cubes are on offer at 90s. per cwt.

GINGER is firm but quiet, Jamaica offering at 90s. to 92s. 6d. for common to good common, and 95s. to 105s. for medium to good. Washed Cochín is 70s., brown Calicut 65s., Sierra Leone 52s., and Japanese 48s. per cwt.

GLUCOSE.—Owing to the official restrictions placed on its use in this country the price of American liquid (crystal corn syrup) is about 9s. to 10s. per cwt. cheaper than the previous highest price, the principal sellers quoting 46s.

per cwt. on the spot and for forward delivery. Dealers in small parcels ask 50s.

GUM ACACIA.—Sudan sorts are dearer at 72s. 6d. to 75s., and cleaned at 80s. per cwt. on the spot. In the drug-auction 28 bags sold without reserve, for account of whom it may concern, at from 32s. to 50s., with all faults, for Sudan sorts in mostly block; 20 bags of so-called insoluble sorts were limited at 45s.

HEXAMINE is temporarily easier, spot sellers quoting from 3s. 6d. to 4s. per lb.

HYDROQUINONE.—Spot is quoted at from 12s. 6d. to 12s. 9d., and forward delivery at 11s. 9d.

INSECT-FLOWERS.—Finest closed offer at 165s. and half-closed at 155s. per cwt. net on spot.

LIQUORICE.—Sales of block juice are reported at 225s. and sticks at 250s. per cwt. on the spot, being dearer.

MENTHOL.—Quiet, with sellers of Kobayashi-Suzuki at 11s. 9d. and buyers at 10s. 9d.

MILK-SUGAR.—The Dutch makers have again advanced their prices, and for spot parcels the limit is now 215s. per cwt.

MORPHINE.—For strictly home-trade use and in very small lots of, say, 10 to 20 oz., 13s. 6d. per oz. net is quoted for hydrochloride. Export orders are unable to be executed at any price.

OILS, ESSENTIAL.—The following are a few current quotations on the spot: *Caraway*, B.P., 19s. per lb. net; *Cananga*, 18s. net; *Copaiba*, B.P., 7s.; *Cubeb*s, 30s.; *Juniper-berry*, 47s. 6d.; *Wood*, 9s. 3d.; distilled *West Indian Lime*, 8s. 6d., hand-pressed, 18s. *Peppermint*, Wayne County, 12s. to 12s. 6d.; H.G.H., 17s. per lb., London terms. *Pine*, Pumlionis, 23s. to 24s., ditto, *Siberica*, 12s. 6d.; *sandalwood*, 54s. to 54s. 6d.; genuine *Wintergreen*, 14s. 6d.; *Wormseed*, 24s. per lb. net. *Cochin Lemongrass* is now 3½d. per oz. on the spot and 3¼d. c.i.f., both prices having been paid. *Cassia* is firmer at 4s. 8d. per lb. on the spot for 80 to 85 per cent. c.a.

ORRIS.—Sales privately have been made at from 75s. to 77s. 6d. for Florentine sorts and 70s. for fair Verona on spot. In auction 17 bags of fair Florentine sorts were limited at 77s. 6d., and 19 bags Verona at 62s. 6d.

OTTO OF ROSE.—A report from the Central Meteorological Station at Sofia on the prevailing agricultural conditions in Bulgaria intimates that the rose culture is not expected to give very good results this year; in many rose-fields beans and maize have been planted between the rows of rose-bushes, while in some places the bushes have been pulled up and cereals sown instead.

OPIMUM.—Spot supplies of Turkish are practically exhausted, but in spite of this fact, the Government have refused to allow further importations of Turkey opium, although parcels are available. Sales of Persian 10-per-cent. have been made at 42s., at which price there are buyers. The New York spot price for opium on June 11 was \$27.00 per lb.

PARALDEHYDE is offered at 13s. 6d. per lb. net on spot.

PHENAZONE is becoming scarcer than ever, and spot parcels command full prices.

PHENOLPHTHALEIN is quoted at from 90s. to 92s. 6d. on the spot, and at 91s. 6d. to arrive.

QUININE.—Makers are somewhat behindhand in their deliveries, and are not at all eager to sell for July or August, but limited quantities for delivery in the latter position might be booked. Meanwhile, spot sales from second-hands are being made at from 2s. 8d. to 2s. 8½d.

RESORCIN is cheaper at from 80s. to 85s. per lb. net, as to seller.

SACCHARIN.—It is predicted that American makers will be able to supply the entire demands of the country within the next three months as well as to take care of the foreign demand since production of permanganate of potash, one of the base materials, is to be undertaken on a large scale.

SALICYLATES.—The market continues as strong as ever, with only limited quantities of salicylic acid available at the advanced prices, and makers do not seem to be able to offer anything before September delivery at from 6s. 9d. to 7s. Sodium salicylate is still 8s.

SENEGA is unchanged at 3s. 6d. per lb. net on spot.

SHELLAC is dearer and in rather more demand, with usual standard quality TN Orange selling at 210s. to 213s., and fine orange at 275s. to 295s. as to quality; AC Garnet is 225s. to 230s.

SULPHONAL has spot sellers at 42s. per lb. net.

TURPENTINE is practically unchanged on the week, American closing at 54s. 9d. per cwt. on the spot.

VALERIAN.—Business has been done at 230s. per cwt. on the spot, and for a parcel of Japanese afloat 210s. is asked. **VANILLIN** is gradually getting dearer, and to-day's price is now 42s. per lb.

WILD-CHERRY BARK is dearer at 1s. 2d. per lb. for thin on the spot.

WITCH-HAZEL EXT.—American of finest quality in casks is offered at 10s. 6d. per gal. net.

London Drug-auctions.

Commercial Sale Rooms,

Mincing Lane, E.C., June 23.

At the auctions held to-day only a small proportion of the offerings sold, trade being duller than usual. Cape aloes brought an irregular advance. Curaçao, although scarce, did not sell. Balsam tolu realised firm rates, and the offerings of Sumatra benzoin proved of little interest. For Siam gamboge a further substantial advance was paid. Jamaica honey was again offered in considerable quantities, and was difficult to sell, small sales being made at a decline of about 2s. 6d. Matto Grosso ipecacuanha and kola were steady. Olibanum is plentiful and neglected, while rhubarb realises firm rates. Sarsaparilla is extremely scarce, and held for very high prices. The prohibition on the export of senna from India led to the withdrawal of a fair proportion of the offerings, and prices are inclined to be higher. Beeswax was quiet, but steady. The following table shows the quantity of goods offered and sold:

	Offered	Sold		Offered	Sold
Aconite (Jap.) ...	10	0	Honey—		
Aloes—			Buckwheat ...	121	0
Cape ...	22	22	California ...	350	40
Curaçao ... (cs.)	35	0	Chilian ...	57	0
Scottrine ...	45	0	Cuban ...	469	39
Zanzibar ... (cs.)	45	0	Demerara ...	2	2
Alum, lump ... (cks.)	4	0	Hayti ...	393	10
Angelica-seed ...	44	0	Jamaica ...	243	12
Annatto-seed ...	55	0	St. Lucia ...	29	0
Ants' eggs ...	14	0	Hyacinth oil ... (box)	1	1
Araroba ...	65	0	Jalap ...	56	0
Balsam peru ...	20	0	Kola ...	16	16
Balsam tolu ...	20	9	Lanoline ...	2	0
Benzoin—			Lemon oil ...	5	0
Siam ...	5	0	Lime-juice ...	6	0
Sumatra ...	39	0	Liquorice-root ...	70	0
Benzonaphthol (lb.)	82	0	Lycopodium ... (cwt.)	5	0
Bergamot oil ...	9	*5	Olibanum ...	298	0
Buchu ...	9	0	Orange-peel ...	41	0
Burdock-root ...	50	0	Orchella-weed ...	175	0
Calumbar ...	50	*50	Orris (Flor.) ...	17	0
Camphor, ref. ... (cs.)	18	0	do. (Verona) ...	19	0
Cannabis ind.—			Papain ...	2	0
African ...	32	0	Podophyllum (Ind.) ...	226	0
Cantharides ...	8	0	Quillaia ...	23	23
Cardamoms ...	54	2	Rhatany ...	16	0
Cassia fistula ...	34	0	Rhubarb (Ch.) ...	73	26
Chiretta ...	81	0	Rose-petals ...	1	0
Cinchona ...	120	0	Saffron ... (cs.)	1	1
Citric acid ... (kgs.)	46	0	Sarsaparilla—		
do. (cks.)	12	0	Honduras ...	9	*6
Coca-leaves ...	77	77	Mexican ...	25	0
Cod-liver oil ...	3	0	Native Jam. ...	2	0
Copaiba ...	5	0	Scammony-root ...	5	0
Coriander-seed ...	26	0	Senna and pods—		
Croton-seed ...	16	0	Alex. and Arabian ...	257	14
Cubeb ...	64	0	Tinrevelly ...	769	38
Cumin-seed ...	136	0	Shark oil ... (ck.)	1	0
Cuttlefish-bone ...	10	0	Sticklae (Cal.) ...	120	0
Digitalis-leaves ...	46	0	Strophanthus ...	18	0
Dragon's-blood ...	11	0	Sulphur flowers ...	140	0
Egg-yolk ... (cs.)	82	0	Turmeric ...	575	0
Ergot ...	5	0	Wax (bees)—		
Eucalyptus oil ...	60	*20	Cuban ...	22	0
Fennel-seed ...	35	0	East African ...	52	37
Gallbanum ...	2	0	East Indian ...	80	0
Gamboge ...	11	11	Egyptian ...	16	0
Gualacum ...	2	2	Italian ...	15	0
Gum acacia ...	48	28	Jamaica ...	8	0
Ipecacuanha—			Morocco ...	2	0
Cartagena ...	7	0	Mozambique ...	142	102
Johore ...	3	0	Spanish ...	5	0
Matto Grosso ...	15	3	West Indian ...	1	0

* Sold privately.

ALOES.—The much-reduced supply of 22 cases Cape offered and sold at very irregular prices, 10 cases of ordinary loose seconds selling at 52s.; a case of fair hard at 50s.; five cases fair seconds, partly drossy, at 47s. 6d.; and six cases soft dullish to coarse hard, 43s. to 43s. 6d. per cwt. A new lot of 34 boxes Curaçao offered, a single box consisting of good bright livery, for which 100s. was wanted, the remainder consisting of dull livery and capey mixed, being held for 75s. per cwt.

ARAROA.—A new lot of 65 cases, no test, lying in Liverpool, was bought in at 2s. 3d. per lb.

BALSAM TOLU is firm, nine cases of unsorted fair flavour and slightly softish going at 2s. 2d. per lb.

BENZOIN.—Much reduced supplies offered, but nothing was disposed of, middling Sumatra seconds being limited at 8l. to 8l. 5s., and for five cases of small to bold free Siam almonds, of good flavour from 23l. to 25l. per cwt. was wanted.

BERGAMOT OIL.—A lot of nine cases offered, of which five had been sold privately, the remaining four being held

at 21s. per lb. for oil containing 38.3 per cent. of natural esters according to Parry's analysis. Privately the spot price is 21s. per lb.

BUCHU was held for full prices, 6s. 3d. being wanted for bold round clean greenish, 5s. 3d. to 5s. 6d. for yellowish and stalky ditto, 4s. 6d. for bronzy longs, and 3s. 7d. for small yellow ovals. A bid of 3s. 5d. was refused for a bale of the latter.

CALUMBA.—Market privately is dearer, with sellers of sound washed asking 100s. per cwt., an advance of 5s. to 10s. on the previous prices paid; spot supplies are extremely small. In auction 50 bags of medium to bold yellowish very wormy sorts offered, and a public bid of 82s. was submitted to the owner privately and accepted.

CITRIC ACID.—In auction 12 casks of B.P. were limited at 3s. 3½d., and 40 kegs at 3s. 3d. A bid of 3s. 2d. is to be submitted for the latter. A further six kegs in another interest were limited at 3s. 3d. The market still continues very irregular, and we hear of several odd parcels offering at appreciably below current rates.

COCA-LEAVES.—A parcel of 77 bags brownish ground Java sold at from 5½d. to 6½d. per lb.

CROTON-SEED.—A parcel of 23 bags fair Bombay was limited at 80s., and for dark and rather dusty ditto 10 bags offered at 75s.

CUBEBS.—Privately sales have been made at 18l. per cwt.; a new parcel of 54 bags fair, partly stalky, was limited in auction at this figure.

DRAGON'S-BLOOD.—For three cases of fair bright seedly lump 13l. was the limit. Fair medium was obtainable at 8l. 10s., and common dull at 5l. per cwt.

ERGOT.—Five cases of sound Spanish in cold storage were limited at 2s. 2d. per lb.

EUCALYPTUS OIL.—Twenty cases had been sold privately, and for a further 40 cases with a eucalyptol-content of 75 to 77 per cent. 2s. 3d. per lb. was wanted.

GAMBOGE met with active competition at an advance of from 8l. 10s. to 11l. 5s. per cwt. compared with the previous public sale in May, 11 cases selling at from 45l. to 47l. 5s. for fair to good, mostly orange fractured Siam pipe, slightly blocky and damp, and at 20l. for ordinary pickings.

GUAIACUM sold at much dearer rates, 2s. 3d. being paid for a cask of common drossy, and for a cask of fair glassy broken 4s. 6d. was wanted, an offer of 3s. 6d. being refused.

HONEY was difficult to sell, only a few lots being disposed of at a decline of 2s. 6d. per cwt. and occasionally more. Brown set Jamaica sold at 90s., and at the close of the sale 10 barrels fair amber liquid Jamaica sold at 77s. 6d. to 80s. per cwt., being decidedly cheaper. Eight barrels Hayti sold at 87s. 6d. for pale set; two casks dark liquid Demerara went at 76s., and 30 casks Cuban realised 70s. to 73s. for fermented and black liquid; a few palish set sold at 80s. Nice white set Cuban was held at 87s. 6d. to 90s.; Californian was limited at 95s., and sales have been made privately at this figure; 20 cases in prize sold at 84s.

HYACINTH OIL.—A single box of artificial, "in prize," of Schimmel's make, sold at 50s. per lb.

IPCAOUANHA was steady, three bales of fair bright Matto Grosso selling at from 9s. 9d. to 10s. per cwt., and for Cartagena 10s. is wanted. Privately sales have been made at 9s. 9d. for good.

KOLA.—Steady, 16 bags of small to medium fair to slightly wormy West Indian selling at from 5½d. to 6d., and for small, part broken, slightly wormy Java 5d. was paid.

LIQUORICE-ROOT.—A lot of 70 bundles undecorticated Indian was limited at 60s. per cwt.

PODOPHYLLUM-ROOT.—A new parcel of 226 bags of Indian were limited at 95s. per cwt.

QUILLIA-BARK.—A lot of 23 bags cut sold without reserve at 46s. per cwt.

RHUBARB.—Firm. A pile of 14 cases of dull, flat, slightly wormy, High-dried, with one-third fair and two-thirds dark fracture, sold without reserve at 11d. to 1s. per lb. Five packages of common medium to bold flat Shensi, slightly wormy, with mostly three-quarters pale pinky and greyish fracture, sold without reserve at from 1s. 2d. to 1s. 9d. Under usual conditions two cases medium to bold flat Shensi, with three-quarters pale pinky fracture, sold at 2s. subject; two cases small to medium round Canton went at 2s. 6d.; and three cases bold flat High-dried, with three-quarters pinky fracture, sold at 1s. 8d. Privately best Shensi is held for 3s. 6d.; Canton ditto, 2s. 6d.; flat High-dried, 1s. 8d.; and rough-round horny High-dried, 11d. to 1s.

SARSAPARILLA.—No grey Jamaica or Lima-Jamaica offered, there being none of the former on offer, while 3s. 3d. is asked for Lima in second-hands. Of Honduras nine ceros offered, of which six had been sold privately, the remainder being held at 2s. 4d. The holder of two bales native

Jamaica, all that offered, was firm at 2s., and refused 1s. 11d. for both dull red and yellow mixed, and fair red. Twenty-five bales Mexican were limited at 1s. 5d. for fair.

SENNA.—The exportation of senna having been prohibited from Tuticorin, there were several large withdrawals from the catalogues, but it cannot be said that the demand was thereby stimulated, although higher rates are asked. There is a stock of almost 6,000 bales in London, much in excess of what it was at this period last year. Only 30 bales sold, including ordinary part sea-damaged at 2½d. to 3d., and middling to fair 3½d. to 4½d. Fair clean sound greenish Tinnevely leaf is selling at 6d. to 6½d., and bolder at 7d. per lb. Pods were held at from 3½d. to 4d. per lb. Of Mecca, 14 bales sold without reserve at from 3½d. to 3½d. for inferior broken leaf. Whole-leaf Anglo-Sudan is offered at 3s., and slightly darkish pods at 4s., and Mecca pods at 1s. 6d. per lb.

SULPHUR.—In auction 140 bags of Sicilian flowers were limited at 34l. per ton.

WAX, BEES'.—Steady in auction, 102 packages of Mozambique selling at 10l. 10s. to 10l. 15s. per cwt. for fair clean pipe and yellow block, 10l. 5s. for fair brown block, and 10l. 5s. for small ball. Of East African, 37 blocks from Beira sold at 9l. 15s. for mixed colours, part drossy. Of Jamaica, eight packages were bought in at from 11l. 10s. to 12l. per cwt. Twenty-two bags of Cuban of mixed colours were limited at 10l. 5s.

Arrivals of Chemicals, Drugs, etc.

The following is a selection of imports into the Ports of London and Liverpool for the period June 19 to 25, inclusive:

To London.		To Liverpool.	
Acetic acid, 90 chys.	Mineral white, 497l.	Wax, paraffin, 2,343 cwt.	
110 cks. 60 brls.	Musk, 18l.		
Ammon. persulph., 12 cks.	Nuts and kernels (cwt.):		
Ammon. phosph., 154 brls.	cashew, 600; ground,		
Antim. crude, 71 tons	200; copra, 6,580		
Argol, 1,620 bgs.	Oils, essential: natural,		
Arsenic, 200 cwt.	273 cs. 4 pots		
Balsam tolu, 50 cs.	crates 32 dms.; eu-		
Barytes, 80 brls.	calyptus, 35 cs.;		
Beechwood cresote, 12 cs.	synthetic, 24 cs.		
Betanaphthol, 71 brls.	Oils, fixed: arachis,		
Burdock-root, 50 bgs.	3,600 cs. 2,750 cks.;		
Calcium cit., 96 cks.	castor, 588 cs.;		
Camphor, 250 cs.	coconut, unfref., 44		
Cardamoms, 84 cs.	dms. 23 pps.; fish,		
Chem. prod., unratd., 7 cs.	2,150 cs.; rape, 300		
Cinchona, 64 brls.	cs.; soya-bean, 500		
Citric acid, 50 cks.	cs.		
Cream of tartar, 20	Opium, 54 cs.		
pkgs. 80 cks. 100 bgs.	Patent medicines, 115l.		
Dental goods, 418l.	Perfumery, unratd.,		
Dyestuffs, unratd., 64	3,033l.; toilet-pow-		
brls. 59 pkgs.; cutch,	der, 1,671l.		
250 bxs.; divi-divi,	Phenazone, 6 bgs.		
194 bgs.; gambier,	Phenolphthalein, 4 cs.		
165 bgs.; indigo, 18	Pyrogall. acid, 4 cs.		
cs.; logwood, 20	Rennet, 600l.		
tons; tanners' bark,	Rhubarb, 32 cs.		
968 tons	Rosin, 250 cks.		
Ether, butyric, 244	Salol, 2 bgs.		
gals.	Salt-petre, 270 cwt.		
Formaldehyde, 133	Sandalwood, 441 bdls.		
brls.	Sarsaparilla, 7 brls. 2		
Fullers' earth, 5 tons	pkgs.		
Galls, 1,200l.	Scopolon-root, 9 bgs.		
Gelatin, 1,424l.	Seeds: lin, 2,927 bgs.;		
Glycerophosph. lime, 1	mustard, 400 bgs.		
ck.	Scenega, 8 brls.		
Guaiac. carb., 4 cs.	Senna, 333 bgs.		
Gums (cwt.): acacia,	Soap, toilet, 90l.		
194; anini, 106;	Soda bromide, 20 cs.		
copal, 1,740; oil-	Soda chlorate, 500 cwt.		
banum, 443; traga-	Soda salicylate, 9 cwt.		
canth, 326	Soda sulphite, 105 cwt.		
Herbs, dried, 21 brls.;	Starches: farina,		
medicinal bark, 89	16,152 cwt.; pota-		
bgs.	to flour, 10,630 cwt.		
Hexamine, 4 brls. 4 cs.	Sulphur, 1,400 cwt.		
Lithopone, 1,380 cs.	Tartaric acid, 104 brls.		
Lithopone, 332 brls.	360 pkgs. 20 cks.		
Menthol, 5 cs.	Thorium nit., 4,600l.;		
	cerium nit., 46l.		
	Vanilla, 1 cs.		
	Wax (mostly bees'), 79		
	pkgs. 11 cks. 47 brls.		
	288 cs. 51 bgs.		

MACASSAR COPAL.—The exports from Macassar, Netherlands East Indies, in 1916 were 5,317 tons, against 4,587 tons in 1915.

JAPANESE COPPER SULPHATE.—This is a new item of export from Japan, as we note from the official returns 360,520 kin (about 215 tons) was shipped during January-February 1917.

GREEK MAGNESITE.—One of the principal features of Greek trade in 1916 was the increased exportation of magnesite ore, this being due to the discontinuance of supplies from Austria.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Mysore Sandalwood Oil.

SIR,—Previous to the outbreak of war the extraction of sandalwood oil from East Indian sandalwood was largely in the hands of German chemical firms, who purchased their supplies of sandalwood at the annual auctions held in the South of India. After the outbreak of war the sales were held as usual, but there were no bidders, and the whole stock of sandalwood was left on the hands of the Mysore Durbar. The only way of dealing with the situation was to investigate the possibility of extracting sandalwood oil in the State, and of doing so in such a way that the oil obtained would command the confidence of European buyers. Experiments in this direction were accordingly started, and eventually resulted in the establishment of a factory, which has now been at work for more than a year. So far the annual sales of sandalwood have been held as usual, and last year in November very large quantities were disposed of. If the Mysore Durbar had desired to obtain a monopoly of the sandalwood-oil business, it would certainly not have disposed of its stocks of sandalwood in the usual way, but, except for any such quantity as was necessary to reserve for its own factory, the whole of the output of the State was offered for sale and disposed of at prices considerably above the reserves fixed by the Durbar. It is true that sandalwood oil is now commanding prices double those which prevailed before the war—so, also, most other commodities—and there is therefore nothing very extraordinary in this. The rise in prices is partly due to the depreciation of the currency, consequent upon the enormous military expenditure, and the exchange value of sandalwood oil expressed in most other commodities is practically unaltered; in some cases it has risen and in others it has decreased. In regard to the future, the only definite statement I can make is that the capacity of the factories established by the Mysore Durbar will be gradually extended till they are capable of dealing with the whole of the supplies of sandalwood available in the State, and eventually it will be unnecessary to hold annual auctions for wood. The Mysore Durbar enjoys the monopoly of all the sandalwood grown within its own territory, and this represents a very considerable proportion of the available supplies in India; and its main object in undertaking the distillation of the wood was to rescue a small branch of the chemical-trade which was rapidly becoming a German monopoly. As the percentage of oil in the wood is not large, it is obvious that very considerable economies can be effected by extracting the oil in the neighbourhood of the forests, and this should ultimately be to the advantage of the consumer. The price of sandalwood oil in the years immediately preceding the outbreak of war rose with extreme rapidity, but whether this was due to the trade demands exceeding the natural supplies, or whether it was due to the business falling more and more into the hands of the Germans, I am unable to say. The fact remains that as the industry got into German hands the prices for oil rose.

Yours faithfully,

ALFRED CHATTERTON,
Director of Sandalwood Oil Factory, Bangalore,
South India.

Copper-sulphate Supply.

SIR,—Having invoked your help in order to get into touch with retail chemists handling quantities of copper sulphate, I should be glad if you will allow me a little space to place the present position before those interested. Upon approaching the Board of Agriculture and placing the facts before them—(1) inability to buy at a price allowing a profit upon a retail transaction at 6½d. per lb.; (2) farmers almost invariably required it in 1-lb. packets—I received a list of eight firms from the Board who, they said, would supply at rate of 50l. per ton, carriage forward. Upon receipt of this I got genuine buyers to approach these firms, the result being that the majority, for one reason and another, could not supply. Again approaching the Board of Agriculture, I forwarded the correspondence between various firms, pointing out (1) that 50l. per ton f.o.r. did not admit of a working profit; (2) difficulty of obtaining supply; (3) obvious outcome, that chemists would take no trouble to keep stock. I suggested that (1) 6½d. per lb. should be the price for cwt. lots; (2) 8d. per lb. for

smaller quantities. The result of negotiations can be summed up in two words—dead failure. The Board of Agriculture finally gave me the names of two firms in a position to supply at 50l. per ton, and regret their inability to alter matters owing to the small output through retail chemists. In my knowledge this is not correct, and chemists should bombard the Board of Agriculture individually upon the matter. I have placed the whole matter before the Pharmaceutical Council, with a request that they will go into the position and endeavour by their influence to succeed where I have failed. Yours truly,
6 Chriss Street, Poplar, E. 14. C. GOODE.

Proprietary Medicines for Insured Persons.

SIR,—“Xrayser II.” complains that his critics make no attempt to controvert the gist of his note, which was that the onus of deciding which proprietaries were allowable should not be thrown upon Insurance Committees. Everybody is agreed that Insurance Committees acting independently should not have either the power or the obligation to decide such questions. They are really therapeutical questions which no authority has ever been set up, or could be or ought to be set up, to decide. Therapeutical knowledge is still so undeveloped, and the results of therapeutical practice are still so contradictory or unsettled, even in such great departments as vaccine-therapy, that any limitation of the physician's liberty to try new remedies, or to use whatever he may have found in his experience to be useful, is unthinkable, especially having regard to the attitude that the pharmaceutical and medical bodies generally adopt towards anything which does not originate within a narrow and favoured circle, and which even then must not controvert any preconceived idea. There are still doctors who would prohibit the use of antidiphtheria serum, and thousands who have never administered a dose of it. Your contributor now says of what he looked upon as his subsidiary point, but which was of prime importance to his critics—viz., his dictum under the head of “scientific prescribing”—that he referred to “admittedly secret remedies.” He did not write one word that would justify the conclusion that all proprietaries were not secret. The advocates of “scientific prescribing” always illustrate their arguments against proprietaries with pointed references to “nostrums,” “secret remedies,” “patent medicines,” etc., and then proceed to prejudice the use not only of unethical, but of ethical proprietaries and branded goods. The use of secret remedies by doctors is insignificant in extent. It does not constitute the real difficulty of the Insurance Committees at all. Their difficulties arise largely out of the desire to prevent “specification” of any sort. The case for specification is based on the well-known variation in the quality of drugs sold in the market even when labelled “B.P.” Replying to “Research,” “Xrayser II.” says that most of the great discoveries, whether in medicine or elsewhere, have been due to disinterested rather than to selfish motives. Undoubtedly there have been such cases in the past, but the idea that a scientist, and, above all, a medical scientist, should devote his life in poverty to the discovery of something which will benefit humanity in general, but must afford no recompense, except in fame, to the discoverer in particular, testifies to the utter selfishness of those who advocate it, and, practically, is also a thing of the past. Everybody, apparently, is worthy of his hire except the scientist: progress—a vital requirement of competitive existence—must not be paid for if a substitute can be found. He suggests an experimental stage for every new claimant in our materia medica. Thousands of doctors experimented extensively with ethical proprietaries, and established their utility before the National Insurance Act came in. But were they allowed to use them under this Act? Certainly not. They were told to stick to the Pharmacopœia, or use substitutes which had been designated by interested persons without investigation, without experiment, and frequently without any evidence whatever that those substitutes would fulfil the purposes of the original articles. CORTEX. (26/6.)

SIR,—In his remarks on my letter regarding proprietaries “Xrayser II.” asserts that “most of the great discoveries of the world . . . have been due to disinterested, not to selfish, motives,” but he evades my point. He cannot deny that a great many important remedies have been introduced from the laboratories of manufacturers. The point I should like him to consider seriously, from a broad standpoint, is, Should these valuable remedies be denied to insured patients? Unless the doctor is allowed full freedom in deciding what drug or preparation is the best for his insured patients, no one can possibly contend that these patients are receiving the same treatment as private patients. Insured patients are becoming more fully aware of the position every day, and the day of reckoning is not far off. When that day comes the chemist will not have quite clean hands! We cannot assert that we have been

prepared all along to dispense whatever the doctor prescribes. Have we not brought to bear all the pressure we could, not merely to place some check on the indiscriminate prescribing of proprietaries, but to prohibit them, no matter how valuable they may be as remedies or how reasonable in price? We made a grave error when we allowed ourselves to be dragged into the discussion of the cost of prescriptions. Had we taken a strong stand and insisted that that was a matter which lay entirely between the doctors and Insurance Committees, our position would have been much stronger to-day. Our attitude should have been: "We are prepared to dispense whatever the doctor prescribes; and, while willing to assist the Committees in checking extravagant prescribing, we refuse to take any responsibility in the matter." Insured patients are daily being told by doctors, "I can't give you such-and-such a preparation, as the chemist will not dispense it." The chemist is getting practically all the blame, and I must confess, in view of the action of my *confrères* in regard to proprietaries, that it is to a large extent deserved. Many doctors roundly assert that if chemists are not going to be a little more reasonable there is nothing else for it but some system of national dispensaries. When that demand is made how shall we stand?—Yours faithfully,

RESEARCH. (66/35.)

The Elusive Balance-sheet.

SIR,—I am not sure that the Pharmaceutical Council is so much to blame for the absence of the balance-sheet of the Local Associations Executive as appears on the surface. A balance-sheet was publicly promised, and a confusion of the issue was introduced by the doubt whether one was necessary for the contributors. It appears that the system is at fault. Some thousands are paid over to the Checking Department for a 10-per-cent. check. Whether the check is efficient or not is not in question. The Pharmaceutical Committees appear to have arrived at the stage when rejuvenation is necessary, and a further appeal to the electorate. This is their third year of office, and their continuance is decided by themselves. It seems to me that an election is imperative in the interests of efficiency. It must be allowed that these Committees are the same which recommended our acceptance of the terms last year, and the prospects this year are not at all bright. The Local Associations Executive is itself out of date; the Conference has never met, and if it does meet in October it will be too late to be of real service, and will have to accept what is offered or come off. No suggestions have been publicly debated, and we are quite in the dark as to what are the lines on which we ought to concentrate our attention. Is it democratic or bureaucratic? One can easily see that the refusal of a balance-sheet is quite a small affair, and follows as a matter of course from a body which is out of touch with the electorate, and also because the Pharmaceutical Committees have never put the position before their electors. So far they appear to have acquiesced in the refusal. There is also one other point, and that is the Parliamentary Fund balance-sheet. It would appear that our official body is following all the worst principles of the secret service party funds of politics. The hostility shown to criticism of the balance-sheets at the annual meeting shows a super-sensitivity which ought not to exist. I think it is an urgent reform that our balance-sheets should be audited by chartered accountants in the public manner, and if this were done we should rid ourselves of this super-sensitivity. It is hoped that the progressive element in our midst will demand more publicity.—SIGMA. (64/64.)

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Leakage (56/2) and *C. C. Co.* (65/20).—GELATIN BOTTLE-CAPPING SOLUTION.—We give the formula for this, but you should not waste glycerin for this purpose at the present:

Soak 7 lb. of gelatin in 10 oz. of glycerin and 60 oz. of water, then heat over a water-bath until dissolved, and add any desired aniline colour. The method of using is to liquefy the mass and dip the cork and portion of neck of a bottle into the liquid; it sets very quickly.

The cellulose-capping method is that of the Viscose Development Co.; it is not a dipping process.

W. H. (47/28).—WHEAT-DRESSING.—The preparation to which you refer is, we understand, a coal-tar by-product, but we do not know the correct specification of such a liquid.

Phoenix (60/48).—BAY-LEAVES AS AN ABORTEFACIENT.—We cannot find many modern references to the use of bay leaves or berries in medicine except a statement that their chief use is to communicate a pleasant odour to external remedies. Potter's "Cyclopædia of Botanical Drugs" states that the leaves, fruit, and oil are used, and that the action is stomachic. The oil is used as an application in rheumatism. The sinister reputation of the drug to which you allude appears to rest on a remark in Culpeper's Herbal (1799), which refers thus to the leaves and bark, "and the berries more than the leaves," of the bay: "They likewise procure women's courses, and seven (of the berries) ... do cause a speedy delivery, and therefore not to be taken by such as have gone out of their time lest they procure abortion or labour too soon." It would appear, therefore, to be unwise to allow pregnant cows access to this shrub.

Drum Major (59/60).—(1) "DRY" LIQUID SHAMPOO.—The only suggestion we can make in regard to the formula you submit is to add 5 gr. of saponin to each ounce, omitting the soap. Tincture of quillaia could be employed instead of the saponin, but with the latter the colour of the liquid is unaffected. We think a few experiments on these lines will yield a product more nearly to your customer's ideal. (2) DRUMHEAD PARCHMENT.—The parchment which has become hard from long disuse requires soaking in lime-water and re-manufacturing. This is a special process, the difficulty being to prevent puckering, which means great care in drying, so that the tension on the parchment is equal in all directions. The use of grease should be avoided.

Veterinary (58/18).—ARSENICAL SOLUTION FOR FOOT-ROT IN SHEEP.—The usual strength of arsenic solution for this purpose varies from arsenic 1 lb. in 5 to 10 gals. of water. The solution is made by boiling the arsenic with an equal amount of sodium carbonate. The solution is put into a trough (9 feet long, 2 feet broad, and 1½ foot deep), and the sheep are driven very slowly through this once a week, or oftener if necessary. If the animals are driven through oftener than once a week it is better to use weaker solution. The amount of solution employed should just cover the animals' feet. Care must be exercised in disposing of the solution that remains in the trough. Where only a few cases have to be treated the following lotions are used:

I.		III.	
Cupri sulph.,	...	Antim. chlor.	... 5j.
Alum.	... aa. 5j.	Ac. hydrochlor.	... q.s.
Ac. sulph.	... 3iv.	Aquæ	... 3x.
Aquæ	... Oiss.	The acid is used in a sufficient quantity to prevent precipitation.	
II.		IV.	
Cupri subacet.	... 3ix.	Cupri sulph.,	...
Alum.	... 5vj.	Plumbi subacet. aa.	3iv.
Theriac.	... 3xxiv.	Cupri subacet.	... 5j.
Boil together until the liquid becomes brown.		Aceti	... Oss.
		Boil together for fifteen minutes, and when cold add	
		Ol. tereb.	... 5vj.

F. W. H. (60/13).—There is no special method of obtaining SUGAR FOR THE MANUFACTURE OF FRUIT-SYRUPS. A concession was made recently to domestic jam-makers, but the time for making applications is past.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1867

Pharmaceutical Legislation.

The result of the special general meeting of the Pharmaceutical Society, called to discuss the proposed Amended Pharmacy Act, was a hearty expression of approval by the Society of the enlightened policy adopted by the Council. The principal resolution, which was moved by Mr. Collins, and carried by a large majority, ran thus:

"That in the opinion of this meeting the proposed amendment of the Pharmacy Act is both wise and expedient, as by enlisting the support of those members of the trade outside the pale of the Society the way is cleared for carrying into effect the primary objects of the founders of the Society—viz., the consolidation of the whole trade and legislative provision for the compulsory examination of all persons entering the same after a given time. This meeting would further express its entire approval of the action taken by the Council, and pledges itself to support by all possible means the passage of the Bill through Parliament."

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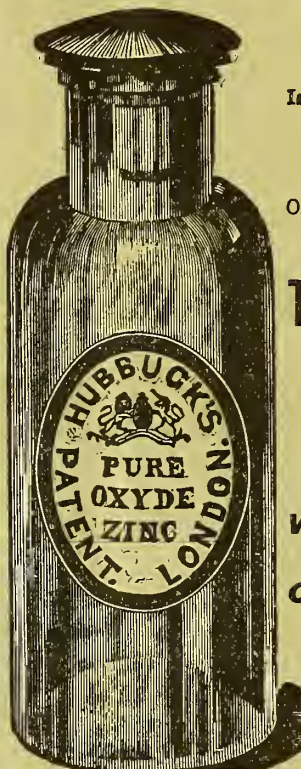
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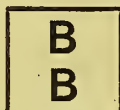
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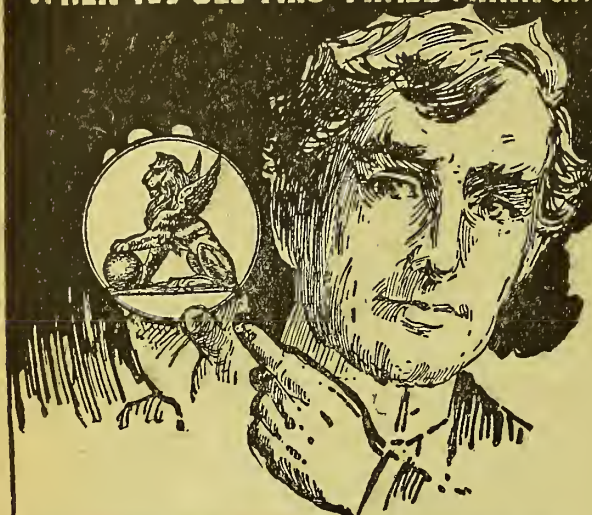
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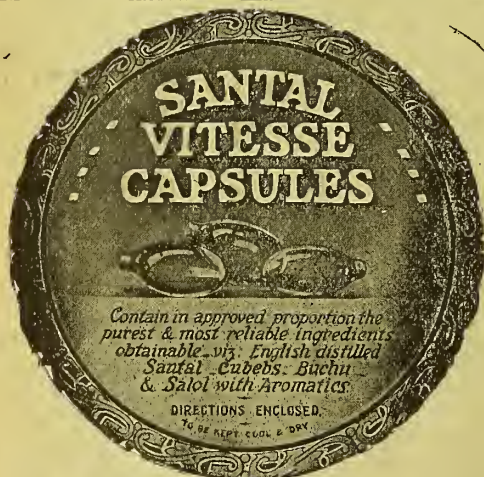
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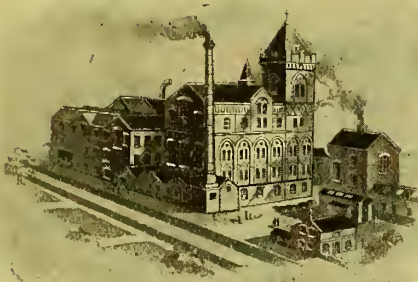
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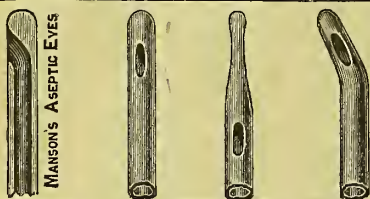
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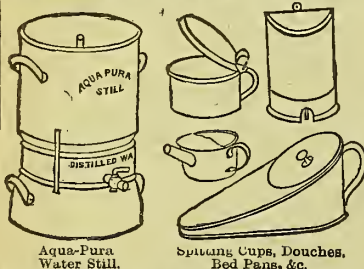
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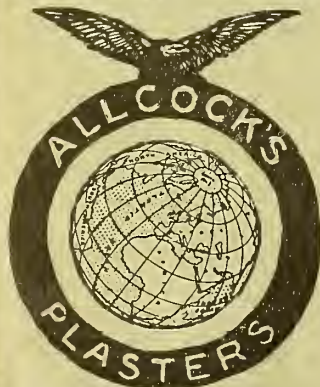
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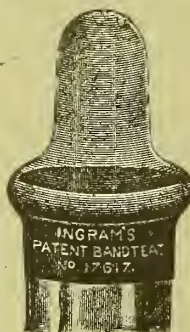
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MAY, ROBERTS & CO., LTD. 7 to 13 Clerkenwell Road,
LONDON, E.C. 1.

AND AT 16 WESTMORELAND STREET. DUBLIN.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JUNE 30, 1917

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.** Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus, Cannon, London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

There is no need to guarantee the genuineness of the advertisements in 'The Chemist & Druggist Supplement.'

Everybody in the drug-trade knows that only *bona-fide* paid-for advertisements are inserted. The 'Chemist & Druggist Supplement' knows no dead-heads, for it gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of **SALE, PURCHASE, and VALUATION.**

1.—LONDON (Northern Suburb).—Situate in main shopping thoroughfare; well-established Business; increasing income; returns between £1,000 and £1,100; *profits exceed the usual rate of middle-class business*; well-fitted shop and comfortable residence, with garden; price £600.

2.—KENT (A Few Miles Out).—Good-class Business, Retail and Dispensing; returns £700; *net profit about one-third*; roomy house, with garden and side entrance; price £450.

3.—SURREY (Suburb).—Good-class Retail and Dispensing Business, with Optical connection, in select residential district; returns about £2,500 per annum; terms, valuation of stock and fixtures, and sum for goodwill to be agreed equitably.

4.—LONDON, N.E.—Ready-money Business; established many years; held by vendor upwards of 25; now retiring; returns about £650; *net profit* £214; comfortable residence; terms, valuation of stock and fixtures; part payment entertained.

5.—MIDDLESEX.—Retail and Dispensing Business; situate in growing neighbourhood; returns exceed £500 yearly; corner shop; situate in close proximity to railway station; price about £300.

6.—LONDON, S.W.—Medium-class Family trade; well established; turnover averages £925; *gross profit* £355; comfortable residence; rent £45; sub-let £13; no near opposition; price £400, or valuation of stock and fixtures.

7.—KENT (Good-class Suburb).—Established business; returns upwards of £1,400 yearly at fair prices; attractive shop; double-fronted; well-selected stock; rent £50 yearly; price £900.

8.—MIDDLESEX (Distant Suburb).—Good-class Business; capital position; returns about £2,000; intending investors with £1,000 at command will find this a sound concern; full investigation invited.

9.—SURREY (Residential Locality).—Select good-class Business, admitting of extension; returns about £1,000 at good prices; well-appointed shop and good house; price about £700.

10.—LAKE DISTRICT.—Mixed Business, with excellent sale for own Proprietaries; returns about £3,000; terms, stock and fixtures at valuation and sum for goodwill to be arranged equitably.

11.—HOME COUNTY (Health Resort).—Modern Pharmacy, situate in the principal street; returns exceed £1,000; full investigation permitted; the shop is nicely fitted and fully stocked; convenient residence; terms, valuation of stock and fixtures and £100 premium.

12.—HEALTH RESORT (Within Easy Reach of London).—Established Business; capital situation; returns under management about £12 weekly; scope for development under personal supervision; attractive double-fronted shop with comfortable residence attached; price £250.

13.—WESTERN COUNTY.—Old-established Business, Retail, Dispensing, and Agricultural; situate in best position in good market town; returns about £1,700; about £1,000 required, for which full value is offered.

14.—SUSSEX.—For immediate Disposal, well-established Business returning between £700 and £750; *profits about 50 per cent.*; commodious premises; rent £40 yearly; new lease will be granted; price £220; illness cause of sale.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 53 LUDGATE HILL, LONDON, E.C.

BATTAM & HEYWOOD

(ESTD. 1837)

**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS.**

Balance Sheets Prepared. Books Added.

3 DAVIES STREET, BERKELEY SQUARE, W.

Telephone: GERRARD 2169.

BERDOE & FISH**VALUERS & TRANSFER AGENTS,****35 Jewry Street, Fenchurch Street, City.**

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—DEVON (Market Town).—Good-class Retail, Agricultural, and Photographic Business, under management and scope for increase; returns average £1,300; principal did £1,500; main road position; splendid premises; fully stocked; price simply valuation, about £900.

2.—SOUTHEAST-ON-SEA.—For immediate Sale, through death; good-class Business; returns last year over £800; plenty of scope for increase; well-appointed Pharmacy, with good house attached; price £450 or valuation.

3.—SOUTH COAST.—Sound, unopposed Light Retail Business; returns under manager £600; plenty of scope for increase; rising town; low rent; modern fitted shop, fully stocked; price £375; strongly recommended.

4.—HERTS.—Good-class Light Country Retail, in best position of small market town; returns average £900; good profits; splendid house; own property; price £400 cash.

5.—BATH.—High-class Dispensing Business; owner retiring; returns £800; good profits; fine position; plenty of scope; price for quick sale £350 or first reasonable offer.

6.—LONDON W.—High-class Dispensing Business for Private Disposal; returns between £2,000 and £2,500; excellent profits; prominent position; with scope for increase; fine opportunity for two smart men; price £1,100; references required.

7.—LONDON, N.—Genuine Cash Retail with N.H.I.; in same hands 24 years; now retiring; returns £800; net profit over £250; large, handsome shop; prominent corner position, and in younger hands would soon do £20 weekly; price £300 or valuation; half can remain.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application. See page 90 of the *C. & D. Diary*, 1917.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

COUNTY KENT; on motor rounds; shop, house, garden; £28; 15 years' lease to run; returns under Manager (enlisted) £1,000; doubled in last 5 years and increasing, with good prospects; stock and books up to date; also small Wholesale if desired; £500 all; excellent opportunity; owner wants join Army. Apply 281/16, Office of this Paper.

HOME COUNTY.—Profitable Light Retail and Dispensing Business in main street of popular town; prominent corner shop, beautifully fitted and well stocked; established 20 years; returns £2,100; good house and lease; satisfactory reasons for disposal; valuation of Stock and Fixtures only; references required. "Salol" (280/13), Office of this Paper.

LANCASHIRE COAST; beautiful district; sound Business, doing £10 to £12 weekly under unqualified management, without advertising or own Specialities; could be doubled at once by a Pharmacist who would advertise a little and go on telephone; shop well fitted and stocked; rent only £25; price £300 or near offer. Apply 281/10, Office of this Paper.

SALFORD.—50 years established Drug Business for Sale, with Wine and Spirit Licences attached; 35 years in hands of present proprietor; returns last year £1,405; ill-health sole reason for selling. J. Clegg, Jas. Woolley, Sons & Co., Ltd., Victoria Bridge, Manchester.

FOR SALE.—Good Manufacturing Druggist and Sundries Business; situated East End; turnover £5,000 to £6,000; Stock £1,000; 2 Motor Vans, 1 Horse Van; Goodwill, Trade-marks, etc.; what offers? Apply 278/4, Office of this Paper.

FOR IMMEDIATE DISPOSAL.—Small Country Chemist's Business, about 40 miles from London; established over 100 years; no opposition within 4 miles; returns for last three years average about £700 per annum. Full particulars of Francis Nicholls, White & Co., 14 Old Jewry Chambers, London, E.C. 2.

PROPRIETOR CALLED UP.—Stock, Effects, and Goodwill of old-established firm of Shaving Brush Merchants to be Sold as a going concern. Apply 65/8, Office of this Paper.

UNOPPOSED Business, to suit unqualified; country preferred; cash available up to £400; strictest investigation. "Confidential," 195 Pershore Road, Selly Park, Birmingham.

£175.—MUST SELL; owner called up; beautifully fitted man did £950 first year; positive sacrifice; only cost of Fittings; nice house. Apply 279/36, Office of this Paper.

SALES BY PRIVATE TREATY.

FOR SALE BY PRIVATE TENDER.

THE PATENT MEDICINE BUSINESS carried on by Fox & Co. (Liverpool), Limited, proprietors of "Red Cross" Pills, Mixture, Embrocation, Lotion, etc., etc.

The Business was founded about 1874 by the late Mr. Leon B. Schover, Pharmacist, Princes Street, Hanover Square, London, and was carried on by him, trading as Fox & Co., Cambridge House, New Cross, London, for many years most successfully. It was for some time the foremost Patent Medicine Business in England and abroad.

The remedies are world-known, do not contain any famine-priced ingredients, are easily compounded, and their efficacy proved by hundreds of testimonials. The Business has suffered neglect for the past few years; with moderate capital its old prestige would soon be re-established.

The Trade Marks, Recipes, Shares in Fox & Co., Ltd., Copyrights, etc., to be sold in one lot.

Write 66/51, Office of this Paper.

FOR SALE.

COUNTER Case, mahogany bent-glass T.B. centre; 6 ft. 4 in.; hardly used; taken for debt; seen any time. 253 Queen's Road, Wimbledon.

SMALL National Cash Register for Sale (second-hand); total adder, and in good condition; cheap. Write at once to F. Ball, 73 King's Cross Road, W.C. 1.

SALE.—Best offer, fine mahogany Chemists' Drawers; cut-glass handles; 4 ft. high, 2 ft. 6 in. broad, 45 drawers; 4 ft. high, 5 ft. broad, 67 drawers. Also 60 spare Drawers; splendid condition. Lane, Chemist, Hove.

TABLET Machine for Sale; quite new; Stokes make Philadelphia, for 1/2-inch Tablets; price £10. Apply 66/29, Office of this Paper.

4 OZ. Acid. Benzoic, 10s.; 1 oz. Bayers Aspirin, 1s. 4d.; 40 grs. Atropin. Pnr., 15s.; 1 lb. Croscote B.P., 15s.; 4 oz. Ext. Cannub. Iad., £1 10s.; 4 oz. P. Scammon Virg., £1 12s.; 1 lb. Hyd. Ox. Flav., 7s. 6d.; 1/2 oz. Agathin, 2s. 6d.; 1 oz. Quinin. Valer., 10s.; 8 oz. Tr. Convallaria, 2s. 6d.; 8 oz. Tr. Hydrastis, 3s.; 8 oz. Tr. Podophyllin, 2s. 6d.; 3 1/2 li. Veratrine, 4s. 6d.; 1 oz. Zinc. Valer., 3s. 6d.; 1 oz. Hydrastin, 10s.; 1 oz. Butyl. Chloral. Hyd., 6s. 6d.; 1 oz. Orthol, 1s. 6d.; 6 oz. Beta Naphthol, 6s. Apply 279/35, Office of this Paper.

AGENCIES.

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AUSTRALIA.—A Manufacturers' Representative in close touch with the trade throughout Australia is desirous of securing Agencies for respectable Houses handling General Chemical and Toilet Lines; first-class references can be furnished; Bankers, Commercial Banking Co. of Sydney. Lynton H. Barrington, Daily Telegraph Buildings, Sydney, N.S.W., Australia.

CHEMISTS anxious to meet the present great rise in working expenses should write for particulars of our novel quick-selling Line that gives the trader a fair and living profit. Kosmo Food Co., 105 George Street, Croydon.

REQUIRED, by leading British Oil Refiners, Agents in various parts of the world where not already represented, calling on Manufacturing Chemists and Druggists and Allied trades. Apply 67/40, Office of this Paper.

BUSINESSES WANTED.

BUSINESS wanted on easy terms; no agents; South of England and near coast preferred. Apply "Venture" (281/4), Office of this Paper.

BUSINESS (good class) wanted; returns £2,000 to £3,000; must bear strictest investigation; prepared to pay £500 down, balance by yearly instalments. Send full detailed particulars of same and living house to "Chemist" (281/9), Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.


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RESULTS

OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK. JUNE 23 1917

NATURE OF ADVT.	REPLIES
QUAL.	15
DISPENSER	11
BUSINESS	9
UNQUAL.	9
ASSISTT	8



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BEDFORD.—Temporary Assistant wanted for 5 weeks in August and September; need not be qualified. State age, experience, and salary (outdoors), to Anthony & Son, Chemists, Bedford.

BERMONDSEY, S.E.—A qualified lady or gentleman to manage small Dispensary (N.H.I.) and Retail Branch; highest references essential. If resident in London, please write, making appointment for interview, giving full particulars of experience; etc., to Austins, Ltd., 196/202, Bermondsey Street, S.E. 1.

BIRMINGHAM (Near).—Young lady Assistant required for progressive Chemists' business; one who has had previous experience with a Chemist preferred; state salary required and when at liberty. "Staff" (279/171), Office of this Paper.

BIRMINGHAM.—Smart young lady required for Office of well-known firm; must have had experience in handling N.H.I. Scripts and have had some experience in a Chemist's establishment; permanency. Apply 279/172, Office of this Paper.

BIRMINGHAM.—Assistant wanted for good-class Business; knowledge of Photography; state salary and give references. Rushton, Hall Green Parade, Birmingham.

BRADFORD.—Wanted, unqualified Assistant, lady or gentleman; Mixed business and N.H.I.; state full particulars and salary required. Stephenson, Chemist, Barkerend Road.

BRIGHTON.—Dispenser required for N.H.I. and Middle-class business; qualified or not qualified; outdoors; one used to Counter work and Manufacturing ordinary Preparations; state full particulars. Savage & Co., Pharmaceutical Chemists, Brighton.

BRIGHTON.—Outdoors; competent Assistant, mainly for Dispensing; hours 9 to 7.30, Wednesday 9 to 9, Thursday 9 to 1, alternate Sundays duty 9 to 2 and from 6 to 8. Apply, with full particulars, stating age, height, salary required, and enclose photo if possible, J. Colby & Co., 101 Western Road, Brighton.

BRISTOL.—Manager for suburban Branch; married man preferred; live on premises; must have exemption or be over military age. State age, salary required, and references, to Managing Director, Hoddors, Ltd., 5 Nelson Street, Bristol.

BURNLEY, LANCS.—Qualified Chemist, lady or gentleman, for N.H.I. and Retail Counter; mixed business; reliable. State experience and salary to Lancashire Drug Co., Ltd., Accrington Road, Burnley.

CASTLEFORD.—Wanted, reliable Assistant; outdoors; ineligible or over military age. State age, experience, salary required, and when disengaged to T. C. Binks, Chemist, Castleford.

CHESHIRE.—Lady or gentleman, ineligible for Army, capable of taking charge of Light Retail and Dispensing business in country; outdoors; state age, experience, salary required, with references. Apply 280/12, Office of this Paper.

GLAMORGAN.—Manager wanted for N.H.I. Dispensing and Light Retail; good salary to suitable person; temporary or permanency. "Rhei". (280/23), Office of this Paper.

GRAVESEND.—Young lady Assistant for medium-class Business; outdoors; no Sunday duty; must have had some Counter and Dispensing experience. Please give full particulars and salary required to T. Johns, Chemist, 73 High Street, Gravesend.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed o/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

HARROGATE.—Manager wanted for high-class Business, either lady, or gentleman ineligible for military service; state salary required, experience, etc., and send photograph if possible; this is a good opening for a suitable person. M. Rogerson & Son, Ltd., 8 Darley Street, Bradford.

LIVERPOOL.—Elderly or middle-aged registered Assistant; comfortable post; Extractor preferred, but not essential. Apply 281/12, Office of this Paper.

LONDON (POPLAR DISTRICT).—Young lady Assistant required for progressive Chemist's establishment; permanency; must have had some Counter and Dispensing experience. "Poplar" (279/170), Office of this Paper.

LONDON, N.W.—Part-time Assistant; comfortable home, board, and lodging; time for study; fair salary offered to gentlemanly man about 23; one accustomed to brisk Retail preferred; ineligible. 280/31, Office of this Paper.

LONDON, N.W.—Assistant wanted, whole or part time, in good-class Business. Apply, with full particulars, "Hamstead" (281/27), Office of this Paper.

LONDON, W.—Manager, qualified, experienced man, about 45, for good middle-class Business in West End; must be reliable, a good Salesman, and have satisfactory references; permanency and good prospects to the right man. Apply, giving full particulars of experience and salary required, 281/18, Office of this Paper.

LONDON, W.—Assistant wanted; immediate vacancy; either sex. Rouse & Co., Wigmore Street.

LONDON, W.O.—Wanted, Assistant, accustomed to good-class Retail and Dispensing; outdoors. Burden & Co., Dispensing Chemists, 41, Store Street, Bedford Square, W.C.1.

MAIDSTONE.—A competent Dispenser and Front Counter Assistant for private and National Dispensing and first-class Family Retail; lady or gentleman. Apply, fullest particulars, salary, etc., to Fred J. Oliver, Chemist, Maidstone.

MANCHESTER.—Qualified Manager wanted for Branch; Light Retail and small N.H.I. Dispensing; middle-class district. Apply, stating age, salary expected, and full particulars, to Cuttifford, Pharmacist, Langworthy Road, Salford.

MANCHESTER DISTRICT.—Qualified Manager (outdoors) required; Light Retail business with N.H.I.; no Sunday work; Manager not single-handed; berth comfortable; particularly suitable for lady or recently qualified Pharmacist or middle-aged willing undertake light duties. Salary and particulars to "Pharmacist," Mr. Littler, 8 Delaunays Road, Higher Crumpsall, Manchester.

NORTH LONDON.—Junior Assistant required at once; lady or gentleman; able to Dispense and assist at Counter; one whole day per week, and no Sunday duty; time for study if desired; state salary and when disengaged. "Alpha" (279/19), Office of this Paper.

READING.—Wanted, qualified Assistant for Dispensing and Light General Retail; lady or gentleman, if the latter must be ineligible; indoors. Apply, stating experience, full particulars, and salary required, to F. Tunbridge, 39 Castle Street, Reading.

SHREWSBURY.—Assistant; outdoors; close Monday, Tuesday, Wednesday 7 p.m., Thursday 1 p.m., Friday 8 p.m., Saturday 9 p.m.; no Sunday duty. Apply A. Williams, M.P.S., Chemist, Castle Street, Shrewsbury.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTHAMPTON.—Wanted, qualified, experienced Manager with good Dental and Optical experience, to live over premises; salary and commission; state experience and salary required. Dordridge, 47 Victoria Road, Woolston, Hants.

SOUTHSEA.—Lady Assistant; Hall qualification; outdoors; good salary. Apply Arnold & Sons, Chemists, Southsea Pharmacy.

STOWMARKET.—Qualified Manager wanted for Dispensing, Family, and Veterinary business; easy hours; no Sunday duty; in- or outdoors. Full particulars and salary required to F. M. Wilson, M Lines, Halton Camp, Bucks.

STREATHAM, S.W.—Lady Assistant for good-class Dispensing and Family business, one with experience preferably, immediately. H. T. Eseritt, 284 High Road, Streatham, S.W.16.

SURREY.—Smart and capable young lady required for high-class Business in a small progressive town; comfortable and permanent berth; applicant must be an efficient Dispenser. "Surrey" (279/17), Office of this Paper.

YORK COUNTY HOSPITAL.—Required, Locum Tenens, with Minor qualification, for 3 weeks commencing July 16th; short hours; lunch provided daily; salary £3 per week. Apply, with full particulars, to the Pharmacist.

YORKS (West Riding).—Manager required for good-class Light Retail in country district; little N.H.I.; applicant unlikely to be called up, or qualified lady with experience considered; very comfortable berth for thoroughly reliable person. Apply 280/8, Office of this Paper.

YORKSHIRE (West Riding).—Manager (qualified) required for progressive Cash business; must be a rejected man or above military age; liberal interest in the profits offered to a really capable man. "Urban" (279/173), Office of this Paper.

A QUALIFIED Assistant is required for Branch Shop by Pongdestre & Truman; must be ineligible for Army; no Sunday duty; no N.H.I. Dispensing. Apply 71-Old Kent Road, S.E.

A N energetic and reliable Assistant for Light Retail and Dispensing business; good opportunity for improvement; state particulars and terms. Apply 277/30, Office of this Paper.

A SSISTANT required, accustomed to making Pills, for private Formulas. Apply to L. J., Army and Navy Stores, 105 Victoria Street, S.W.1.

A SSISTANT, lady, wanted at once for Dispensing and Light Retail; must be a capable Dispenser; outdoors; easy hours. Full particulars as to salary required, etc., to Hampton, 86 Northgate Street, Gloucester.

A SSISTANT, unqualified, male or female, for quick Retail; hours, 9 a.m. till 8 p.m., Saturdays 9 p.m., Thursdays 1 o'clock; usual hours for meals. State experience and salary (outdoors) to Messrs. Prosser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell, and 323 Walworth Road, London, S.E.5.

A SSISTANT, qualified or unqualified, for Retail and Dispensing business; ineligible; sole use of good house accommodation if desired; suit married man; state full particulars and salary required. Butcher, Curnow & Co., Ltd., Blackheath, S.E.3.

B RANCH Manager wanted at once; must be over military age or ineligible. Apply, personally or by letter, stating salary required, when disengaged, and enclosing recent photograph, to Parke's Drug Stores, 65 Harwood Street, N.W.

D ISPENSER, lady, wanted at once, Hall qualification preferred but not essential if previous experience, for good-class Business; indoors or outdoors. Apply, personally or by letter, giving full particulars of age, experience, and references, to H. Southall, Pharmacist, 310 Hoe Street, Walthamstow, Essex.

F RANK A. ROGERS, 327 Oxford Street, W.1.—We have a vacancy shortly for an Assistant, lady or gentleman; one with Counter experience preferred; please give full particulars of experience and salary, etc.

G IBSON'S, Wholesale Manufacturing Chemists, Gooch Street, Birmingham, require a qualified Manager; state, fully, experience, age, salary required, and when at liberty, first letter.

L ADY Dispenser (Hall), accustomed to good-class Business. Also Dispenser for afternoon and evenings. No N.H.I. work. Apply, stating usual particulars, to "Carboy," c/o S. Maw, Son & Sons, Ltd., 7/12 Aldersgate Street, E.C.1.

L ADY Dispenser (outdoors) required from August 6th to 31st; one with a knowledge of Counter preferred. Apply, with full particulars, to Mason, Chemist, 89 Acre Lane, Brixton, S.W.2.

L EWIS & BURROWS require the services of a competent Dispenser for the West End; lady or gentleman. Apply 146 Holborn Bars.

L OCUM, outdoors, required for brisk Light Retail and Dispensing; whole or part of 10 weeks commencing about July 2; close three nights at 7.30, Thursdays at 1; no Sunday or night duty; good salary offered to capable man; in reply, please state full particulars, enclosing photo if possible (to be returned). Walter Reeson, 80 High Street, Erith, Kent.

M ANAGER, qualified, required at once (ineligible) to take full charge; knowledge of Agricultural business essential. Apply, with full particulars, experience, age, references, and salary required, to Allen & Neale, King's Lynn.

MANAGER, qualified, ineligible, energetic, good Salesman, for Branch Business in busy thoroughfare of Bristol; Light Cash Retail; easily worked; easy hours; no Sunday duty; no Stook to back; most comfortable berth. Apply, with full particulars, age, salary required, references, enclose photo if possible, 280/32, Office of this Paper.

MANAGER, qualified or unqualified, for Wholesale and Retail business in the Midlands; ineligible; good salary and share of profit. Apply, stating salary required, when disengaged, experience, and fullest particulars, 1/21, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

QUALIFIED Manager wanted; Manager called up can recommend exceptionally comfortable and lucrative post; no menial work; splendid opportunity; nice locality in South; applicants must be ineligible. "Exceptional" (280/37), Office of this Paper.

QUALIFIED Chemist required to superintend a Private Limiter Company for the duration of the war; ineligible; must be a willing worker; N.H.I. and other Dispensing, etc. Apply "Fifty" (281/25), Office of this Paper.

REQUIRED, lady Counter Assistant, with experience in the selling of Perfumery and Druggist Sundries in ordinary demand; smart appearance; hours of work; 8.45 to 6 o'clock, 1 o'clock Saturdays; no Sunday duty. Apply, stating full particulars of past experience and salary required, to L. J., Army and Navy Stores, 105 Victoria Street, S.W. 1.

SALESMAN and Dispenser wanted; unqualified; must be ineligible or over military age. Apply, personally or by letter, stating salary required and when disengaged, and enclosing, if possible, recent photograph, to Parke's Drug Stores, 65 Harwood Street, N.W.

TEMPORARY Assistant (either sex) wanted from July 9th. Apply, personally if possible, or by letter, stating full particulars, Hamblen, Chemist, 57 Brixton Road, S.W.

UNQUALIFIED Assistant required; must be over military age or ineligible; one able to act as Relief if required; permanency if suitable. Apply, by letter, G. B., 77 Walworth Road, London, S.E. 17.

UNQUALIFIED Senior Assistant, ineligible, for firm in the Midlands doing a good Light Retail and Photographic trade employing several assistants; permanency. State full particulars to "Midland" (281/8), Office of this Paper.

UNREGISTERED lady or gentleman, able to take charge; good at Counter and Windows; London suburb. Send full particulars of experience, age, and salary expected, to 281/28, Office of this Paper.

WANTED, for Business in Lincolnshire inland town, Senior Assistant (outdoors); must be ineligible and have knowledge of Photography; Optical knowledge desirable; easy hours and no Sunday duty. Send full particulars, stating salary, references, etc., to 279/32, Office of this Paper.

WANTED, as Dispensing Assistant, an ineligible man or a lady Dispenser with some experience of a Chemist's business. Apply T. Jones & Co., 5 Putney Hill.

WOMAN, qualified Minor, wanted, about 30, well trained, for a good working-class Business; N.H.I. and General Counter; comfortable berth; give fullest particulars, salary required, etc.; replies treated in confidence. "North Staffordshire" (279/18), Office of this Paper.

YOUNG lady required for Light Retail and Dispensing; outdoors; short hours. French, Chemist, Sittingbourne.

WHOLESALE.

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LONDON firm requires capable, qualified man for Wet and Dry Manufacturing; permanent position offering excellent prospects. Reply, stating age, experience, and salary required, to Box 101, c/o Mitchell's Advertising Agency, 1 Snow Hill, E.C. 1.

MANCHESTER.—Charles Midgley, Ltd., require Assistant for manufacturing Pharmaceutical Preparations, etc., and putting up orders; ineligible.

ASSISTANT in Surgical Instrument business in provinces. Address, stating age, duties accustomed to, and wages expected, 61/59, Office of this Paper.

CHEMIST-PERFUMER required in London to manage small Department; should have initiative and experience in the manufacture and sale of Toilet Preparations; light duties only. Apply, with full particulars, to "J. R." (67/36), Office of this Paper.

DRUG TRADE.—Invoice Clerk wanted; accustomed to Drugs and Chemicals; ineligible; state age, present and past situations, references, salary required. Reade, Bros. & Co., Ltd., Wolverhampton.

FOREMAN for Ribbon Stamp Inypad Factory; girl labour; good organiser and timekeeper essential; previous experience as practical ink chemist preferred; state salary. Apply 68/30, Office of this Paper.

LABORATORY Assistant required in London Factory for Perfumery and Toilet Products; progressive salary and permanency to accurate and responsible worker. Apply, by letter, to "Export" (276/20), Office of this Paper.

LADY or gentleman wanted to sell Chemicals to Chemists; must have good connection and able to do the Buying for that Department; state salary. Apply 66/290, Office of this Paper.

PACKER for Medical Specialities; light work; easy hours; must be steady and reliable. Anglo-French Drug Co., Ltd., Gamage Building, Holborn, E.C.

REPRESENTATIVE, calling on Chemists, wanted for Patent Medicine; highest testimonials. Letters to 278/55, Office of this Paper.

REQUIRED, for Manufacturing Druggist and Sundries business, Working Manager; well up in manufacture of small Sundries; output about 200 gross per week; must be able to take complete control. Apply 278/400, Office of this Paper.

WANTED, Foreman, Food Factory, North London; ineligible; previous experience with Manufacturing Plant preferable but not essential; good prospects for competent man. Write, stating age, experience, and wages required, to 278/36, Office of this Paper.

WANTED, Laboratory Porter to assist in grinding, sieving, and making Medicinal Preparations; ineligible. Apply, stating age, present and past situations, wages required, and references, Reade Bros., Ltd., Wolverhampton.

WET-COUNTER Assistants; male or female; permanency. Apply to Dakin Bros., Ltd., Wholesale Druggists, 82 Middlesex Street, E. 1.

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(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond; prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

CHINA.—Wanted, thoroughly competent Assistant; ineligible for military service; must have had good experience in high-class Retail business; liberal terms; three years' agreement; passage paid out and home; preference given to man who speaks one or two languages. Reply to Durant, Radford & Co., Ltd., Billiter Buildings, E.C.

CHINA.—One or two thoroughly competent Assistants (ineligible for military service); age 21-30; must have had good experience in high-class Retail business; liberal terms; two years' agreement; passage paid out and home. Address "China" (281/3), Office of this Paper.

PARIS.—Wanted, immediately, competent Assistant; ineligible for military service; accustomed to good-class Dispensing and Retail. Apply to Mr. Brooks, 6 Northumberland Avenue, London.

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A FEW weeks' Locum; references; experienced; moderate salary. "Statim," 26 Portland Road, Holland Park, W.

A SSISTANT; unqualified; age 36; good references; C3. Apply 278/16, Office of this Paper.

A SSISTANT, 23, discharged from Army, wants post South Coast town; Dispensing, Counter, Windows. G. G., 4 Monk Street, S.E. 18.

A SSISTANT, unqualified, seeks post; C3; Counter, Dispensing; experienced. Apply 281/15, Office of this Paper.

C3; MANAGER; qualified; experienced Dispenser; reliable Counterman and Window-dresser; East Riding of Yorkshire preferred but not essential; Veterinary experience. "Pharmacist" (281/2), Office of this Paper.

D ISCHARGED R.A.M.C., 50, requires light work; small Branch Assistant or Dispenser; whole or part time. 152 Sheringham Avenue, Manor Park.

D ISPENSER, lady (Hall), 4 years' experience, requires evening work from 6 o'clock in London. Address "C," 3 Southland Terrace, Purfleet, Essex.

D ISPENSER, lady, requires post with Doctor or Chemist; good experience; thoroughly reliable. Apply 276/19, Office of this Paper.

D ISPENSER, Bookkeeper, and Surgery Assistant, over military age, with long experience and very highest references, desires re-engagement. Address "Dispenser," 59 Newington Butts, S.E.

D ISPENSING, Prescribing, Manufacture; City, West-End, and Hospital experience; temporary or permanent; discharged R.A.M.C.; disengaged. "No. 9," 25 Gilmore Road, Lewisham, S.E.

E LDERLY; qualified; temporary or otherwise; married; disengaged. "Pharmacist," 18 Penshurst Road, South Hackney, London, N.E.

I MPROVER; 17½; all-round experience; in or near London. Apply 281/29, Office of this Paper.

L ADY requires post as Chemist's Assistant; 2 years' experience; some knowledge of Dispensing. Apply G. H., 19 Rose Road, Avenue, Southampton.

L ADY Pharmacist; 29; University education; high-class Dispensing and Retail experience; Bookkeeping, Languages; Hospital or Wholesale House; hours 9 to 6 p.m. 278/34, Office of this Paper.

L ADY Dispenser (Hall) seeks post; Doctor, Institution, or part-time Chemist; one year's experience; Bookkeeping, First-aid, and Nursing certificates; perfect French; country within 20 miles London preferred. E. Bailey, 53 Leinster Square, W.2.

L ADY Dispenser; 20; Doctor or Institution; excellent references; end of July. B. Edwards, Post Office, Llanellidan, near Ruthin.

L ADY, good Store experience, desires post; London; Locum or permanency. Elliott, 163 Camden Road, N.W. 6.

L OCUM desired; lady Dispenser (Hall); experienced; Doctor or Hospital; seaside or country. Apply 279/34, Office of this Paper.

L OCUM or permanency as Doctor's or Druggist's Dispenser; Croydon or London district; £3; 25 years' experience. C. S., 19 Rockmount Road, S.E. 19.

L OCUM; one week; mornings only; seaside resort. "Rex," 16 Carlton Park Avenue, Raynes Park, Surrey.

L OCUM or permanent; 45; registered; Liverpool district; good experience; at liberty. Apply 280/36, Office of this Paper.

L OCUM, Assistant, or Manager; disengaged; over military age; all branches. Address, or wire (unqualified), "Aspirin," 1 Lowwood Grove, Boro' Road, Birkenhead.

L ONDON.—Manager or Senior; qualified; over military age; West-End, Provincial, and Stores experience; steady and active. Apply 280/21, Office of this Paper.

P ART TIME; registered; age 44; evenings, Saturdays after 2 p.m.; occasional Sunday duty. Apply 1/26, Office of this Paper.

P HARMACIST; qualified; over military age; first-class Dispensing and Retail experience; full particulars. Apply 280/20, Office of this Paper.

Q UALIFIED, 30, desires berth as Manager; B3; conditional exemption; good all-round experience; Birmingham district preferred. Apply 277/29, Office of this Paper.

Q UALIFIED; 42; married; disengaged; live on premises; Manager; with or without view to purchase. W. G., 15 Blades Street, Lancaster.

Q UALIFIED, 45, married, desires good berth. West, 28 Taunton Road, Lee, S.E.

Q UALIFIED; disengaged; varied experience; military exempted; East End preferred, not essential. G. M., 56 Lamb's Conduit Street, W.C.

Q UALIFIED Assistant; Manchester or district; 1, 2, or 3 days a week; exempt; steady; experienced. T. E. Chadwick, 24 Hood Street, Ancoats, Manchester.

R ETIRED qualified man; reliable; first-class experience; single. "Active" (279/31), Office of this Paper.

S TOCK, ETC.—Young lady, experienced, requires situation. "L. H.," 2 King's Avenue, Hounslow Town, Mx.

U NQUALIFIED; age 38; married; rejected; Manager or Assistant; situation in country required, near London preferred. Apply 1/12, Office of this Paper.

W ANTED at once, by experienced qualified Chemist, responsible post. "Statim" (280/17), Office of this Paper.

Y OUNG lady; Junior Improver or Dispenser to a medical man; 1½ years' experience; indoors. Particulars to Miss C. M. Dawes, 18 Brighton Road, Crawley, Sussex.

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C HEMIST, 30, ineligible, 15 years' sound experience of Retail, offers services as Representative; first-class Salesman; Southern Counties preferred. Apply 279/30, Office of this Paper.

C HEMIST, over military age, desires position as Representative to Drug or Allied trades; energetic; good address; gentlemanly appearance. Apply 279/53, Office of this Paper.

M ANUFACTURING Chemist, well up all Branches, seeks re-engagement with London firm; best references; military exempted. G. M., 56 Lamb's Conduit Street, W.C.

P HARMACIST, exempt, good Business and Hospital, also Manufacturing experience, desires position in Wholesale House. Apply 278/33, Office of this Paper.

Q UALIFIED Chemist, with 30 years' experience at home and abroad, having disposed of his Business, wishes position as Representative for a good House at home or abroad or in administrative capacity in the Wholesale; exceptional references. Replies to 277/26, Office of this Paper.

S MART man wants to represent first-class House Counties of Durham, Cumberland, Northumberland, and Westmorland, for duration of war; good opportunity for firm whose traveller has been called up. Apply 279/29, Office of this Paper.

T RAVELLER wants berth; first-class House; elderly, energetic; good Salesman; gentlemanly; salary, commission, expenses. E. c/o Hawker Bros., Lozange Manufacturers, Denman Street, London Bridge, London.

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WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Oxalic acid (67/15) Theocin sodium salicylate,
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WE have to offer 10 gross of Formamint Bottles. Apply 63/28, Office of this Paper.

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FOR DISPOSAL.

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FOR Sale, 12 Dental Show-pieces. R. Lamb, 123 West E. Lane, London.

DRUGS AND CHEMICALS.

WINCH each Ess. Moschi., Ol. Filicis; offers wanted. Calla Chemist, East Dulwich.

5 LB. Winchester Ess. Vanilla Opt., 3s. 6d. per lb., carriage paid; sample free. W. Huntrods, Holbeck Moor, Leeds.

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FOR Sale, best offer, 16 × 25 Phenac. Tabs. gr. 5; 9 × 10 Phenac. Tabs.; 15 × 100 Phenacet. Co.; 300 Tabs. Guaiac Carb. gr. 5; 1 × 100 B.W. Guaiacol Carb.; all perfect condition. Lane, Chemist, Hove.

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MISCELLANEOUS.

OFFERS wanted, 3 pint Seltzogene, 3 Spit Flasks, 4 Suspend 4 sizes Cachets. Hasselby, Hastings.

ADDRESSES WANTED.

NAME and address of makers of Wooden Nail Polisher Handles. M. W. Carmichael, Ltd., 46 Dover Street, W.

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ANAPHOTROPIN Tablets in tubes. Newsholmes, 27 High St., Sheffield.

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WANTED at once, Vest-Pocket Camera in good condition. Huband, 23 Duke Street, Brighton.

WANTED, Dental Operating Chair; good condition. Particulars to Dodridge, 47 Victoria Road, Woolston, Hants.

WANTED, two-ounce long-neck Castor Oil Bottle, green tinted glass or Maw, as 1.263/8. Any quantity. From Monmouth.

WANTED, Saccharin, Mag. Sulph. medium crystals, harmless soluble Aniline Blue, Licorice Sticks, Mag. Citras. Dental Chemist, Northampton.

OPTICAL books, Minor, Major, Chemists' books; send prepaid valuation; cash offers per return. Gower, Bookseller, 41 Clarendon Road, Clapham, S.W.

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